DOCUMENT RESUME

ED 130 513 FL 008 056

TITLE	A Survey of A.I.D. Educational Cooperation with Developing Countries.
INSTITUTION	Agency for International Development (Dept. of State), Washington, D.C. Office of Education and Human Resources.; Institute of International Studies (DHEW/OE), Washington, D.C.
PUB DATE	Jun 73
NOTE	124p.; For related document, see ED 074 799
EDRS PRICE	MF-$0.83 HC-$6.01 Plus Postage.
DESCRIPTORS	*Developing Nations; *Educational Programs; *Federal Aid; *Federal Programs; Financial Support; *International Programs; Program Costs; *Program Descriptions; Surveys
IDENTIFIERS	Afghanistan; Africa; Agency for International Development; Asia; Bangladesh; Bolivia; Brazil; Central America; Chile; Colombia; Costa Rica; El Salvador; Ethiopia; Honduras; India; Indonesia; Korea; Laos; Latin America; Liberia; Nepal; Nicaragua; Nigeria; Pakistan; Panama; Paraguay; Peru; Tanzania; Thailand; Turkey; Uganda; Venezuela; Vietnam

ABSTRACT

A survey is presented of the scope of the program of the Agency for International Development in the field of educational assistance to certain developing countries. The survey revises and updates previous surveys completed annually since 1966. The regions of the world in which A.I.D. operates--Africa, the Near East and South Asia, Latin America, and East Asia--represent the major divisions of the survey. Information provided about each project include project objectives and description, expenditures, and progress to date. (Author/SW)

****
* Documents acquired by ERIC include many informal unpublished *
* materials not available from other sources. ERIC makes every effort *
* to obtain the best copy available. Nevertheless, items of marginal *
* reproducibility are often encountered and this affects the quality *
* of the microfiche and hardcopy reproductions ERIC makes available *
* via the ERIC Document Reproduction Service (EDRS). EDRS is not *
* responsible for the quality of the original document. Reproductions *
* supplied by EDRS are the best that can be made from the original. *
****

FL

ED130513

A SURVEY OF
A.I.D. Educational Cooperation with Developing Countries

U S DEPARTMENT OF HEALTH.
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

FL008056

Agency for International Development

Department of State

A SURVEY
OF
A.I.D. EDUCATIONAL COOPERATION
WITH
DEVELOPING COUNTRIES

Agency for International Development

Department of State

THIS SURVEY HAS BEEN PREPARED FOR THE
OFFICE OF EDUCATION AND HUMAN RESOURCES
BUREAU FOR TECHNICAL ASSISTANCE
AGENCY FOR INTERNATIONAL DEVELOPMENT

by the
INTERNATIONAL SERVICES AND RESEARCH STAFF
INSTITUTE OF INTERNATIONAL STUDIES
U. S. OFFICE OF EDUCATION
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
June 1973

FY 1973

EDUCATION PROJECTS

Supported by the

AGENCY FOR INTERNATIONAL DEVELOPMENT

INDEX

SECTION	PAGE NUMBER
I. PREFACE	i
II. ISRS SUPPORT AND SERVICES TO AID	iii
III. PROJECT ASSISTANCE	
A. EAST ASIA REGION	1
Indonesia	2
Korea	4
Laos	5
Thailand	8
Vietnam	12
Regional	17
B. NEAR EAST AND SOUTH ASIA REGION	19
Afghanistan	20
Bangladesh	26
India	27
Nepal	28
Pakistan	30
Turkey	32
C. AFRICA REGION	35
Ethiopia	37
Liberia	40
Nigeria	41
Tanzania	45
Uganda	46
East Africa Regional	48
Africa Regional	50

INDEX (Continued)

SECTION PAGE NUMBER

III. PROJECT ASSISTANCE (Continued) ....

D. LATIN AMERICA REGION 63
- Bolivia 65
- Brazil 66
- Chile 75
- Colombia 78
- Costa Rica 80
- El Salvador 81
- Honduras 83
- Nicaragua 85
- Panama 86
- Paraguay 88
- Peru 89
- Venezuela 90
- LA/ROCAP 91
- LA/Regional 94

E. WORLDWIDE 97

IV. INDEX OF CONTRACTORS 111

V. SUBJECT AREAS OF EMPHASIS 114

I. PREFACE

This survey presents the scope of the program of the Agency for International Development in the field of educational assistance to certain of the developing countries. It revises and updates previous surveys completed annually since 1966. For those who wish to maintain a cumulative record, descriptions of projects which were reported as completed in previous editions may be removed and added to this survey as an appendix.

All of the educational projects, except those funded under Section 214 of the Foreign Assistance Act or by means of the Central Research Fund, are included in this survey. The regions of the world in which A.I.D. operates - Africa, the Near East and South Asia, Latin America, and East Asia - represent the major divisions of the survey rather than the administrative divisions of A.I.D. Bureaus.

Information for this report was extracted from the FY 1974 Project Budget Submissions for the various countries concerned, although in a few cases narrative statements and expenditures amounts were taken from airgrams and other communications received subsequent to the Project Budget Submissions.

The designated numbers for education projects in the A.I.D. programs are the 60-69 series. A few projects, including Labor Education, Human Resources Development, and Manpower Planning with other series of numbers are included in the survey.

The following sub-classification of the (60-69) numbered series of education projects is used:

a. 60 - General Education
b. 61 - Technical Education
c. 62 - Vocational Agriculture Education
d. 63 - Home Economics Education
e. 64 - Elementary Education
f. 65 - Secondary Education
g. 66 - Professional and Higher Education
h. 67 - Fundamental and Adult Education
i. 68 - Educational Administration
j. 69 - All other Educational Projects

Some projects contain several sub-titles. A Human Resources Development project may contain Elementary Education, Secondary Education, and Higher Education sub-divisions. The project activities are generally limited to one specific type of education. A brief account of the progress made on each project concludes the report.

If the project is being conducted under a university contract, the name of the contractor is shown under the title of the project. Projects funded by development loans are also so indicated.

Funds which A.I.D. provides as a contribution to international organizations and are subsequently used for educational purposes are not included in this survey. Contributions of this kind amount to around twenty million dollars annually. Also not included are annual contributions to the program for American Schools and Hospitals Abroad.

II. ISRS SUPPORT SERVICES TO AID

In addition to preparation of the Annual Survey of AID Educational Programs and periodic distribution of packets of professional educational materials to overseas Missions, the International Services and Research Staff (ISRS) provides the following supportive services to AID elements: (A) Responding to special requests from Missions for educational materials and information; (B) Arranging consultation between appropriate Offices of the U. S. Office of Education and AID offices; (C) Assisting with recruitment for certain kinds of educational specialists for overseas appointments or short-term consulting; (D) Providing orientation programs for AID education officers or visiting foreign education officials; and, (E) Other related services as cleared with the Office of Education and Human Resources (AID).

III. PROJECT ASSISTANCE

A. EAST ASIA REGION

Country	Project Title	Project Number
Indonesia	1. Higher Agricultural Education	497-11-660-190
	2. Science Education Survey	497-11-999-000
Korea	1. Education Development	489-11-690-684
Laos	1. Education Development - Teacher Training	439-11-690-064
	2. Education Development (Community Education)	439-11-690-064
	3. Education Development (Secondary Education)	439-11-690-064
Thailand	1. Rural Education	493-11-640-162
	2. Vocationl Education	493-11-610-194
Vietnam	1. Vocational Education	730-11-610-322
	2. General Scholarship Program	730-11-690-325
	3. Higher Education	730-11-660-367
	4. Education Technical Support	730-11-699-368
Regional	1. Regional Education Development	498-11-690-198
	2. Asian Institute of Technology	498-11-660-114

INDONESIA
Project No. 497-11-660-190
Began: FY 1969
Proposed Terminal Date: FY 1975

HIGHER AGRICULTURAL EDUCATION
(AID-Mid-West Universities Consortium)

Project Objective and Description:

The purpose of this project is to help upgrade and expand graduate instruction and research capabilities at Indonesia's two foremost agricultural education institutions which, in turn, will help train teachers and improve curriculum at provincial agricultural institutions throughout the country. This is being accomplished through a contract with the Mid-West Universities consortium.

Expenditures:		Expected Expenditures for Project Completion:
FY 1969 - 1971	$1,052,000	
FY 1972	1,271,000	- OPEN -
FY 1973	1,650,000	
FY 1974 (Est.)	1,572,300	

Progress to Date:

The three-man MUCIA contract team - a project administrator, one adviser for Gadjah Mada University and one at the Agricultural Institute at Bogor - is assisting in faculty development and team work in teaching, research extension service, curriculum upgrading, selection and career placement of participants, modernization of laboratory and library resources, the development of Ph.D-level programs, and institution building methodology.

Supplemental short-term consultants are being used to help develop curricula, to teach, and to provide in-service training for faculty members; two or three advanced U.S. graduate students will be selected to do research in specific agricultural problems and assist in counselling their Indonesian counterparts.

The willingness of AID to enter into long-term institutional development agreements with United States educational institutions, coupled with the strength of U.S. Land Grant Colleges, puts AID in an excellent position to provide institutional assistance for agriculture and science education for Indonesia.

The Consortium is now a dynamic and capable organization with a clear sense of purpose, contributing important policy initiative to the MOE. The Consortium has given increased attention to the development of the provincial universities, selecting six for initial concentration (two in Sumatra, one in Sulawesi, and three in Java.)

INDONESIA
Project No. 497-11-999-000
Began: FY 1972
Proposed Terminal Date: FY 1973

SCIENCE EDUCATION SURVEY
(AID - Mid-West Universities Consortium)

Project Objective and Description:

The purpose of this project is to assist the Office of Educational Development of the GOI in carrying out a comprehensive survey of science education as the first step in the preparation of a long-range plan for the improvement of basic science education at every level in the educational system, from the elementary through the University level.

Expenditures:		Expected Expenditures for Project Completion:
FY 1972	$11,000	None
FY 1973	34,000	

Progress to Date:

The operating plan for the proposed three stages or phases are being accomplished by:

Phase One: The formulation of an (GOI) executive committee assisted by the leader of the American team to work out the strategy for the survey (January and February, 1972).

Phase Two: Visits to science education facilities throughout the country by the entire team. Reports prepared by American team members filed with the leader of the American team. A summary of this report prepared for use by the Indonesian survey team members (April and May 1972).

Phase Three: Formulation of elements of a long-term development plan in basic science education. These elements become incorporated into and serves as the nucleus of a more extensive five-year plan.

KOREA
Project No. 489-11-690-684
Began: FY 1971
Proposed Terminal Date: FY 1973

EDUCATION DEVELOPMENT
(AID - Florida State University)

Project Objectives and Description:

The purpose of this activity is to (1) support and institutionalize the long-range educational process of Korea; and (2) assist in refining the present educational systems to provide higher quality instruction to more students, considering national manpower needs and financial resources.

Expenditures:		Expected Expenditures for Project Completion:
FY 1972	$ 98,000	None
FY 1973	$166,000	

Progress to Date:

In FY 1972, an American advisor was provided to assist the ROKG in project planning and implementation. The Korean Education Development Institute (KEDI) was established and is responsible for designing and implementing a five-year experimental program that will assist in the qualitative reform of the primary/middle school system.

A $2.5 million loan was signed in 1972. Technical Services will be provided by Florida State University under contract to the ROKG - 1973 - 1977.

LAOS
Project No. 439-11-690-064
Began: FY 1963
Proposed Terminal Date: FY 1976

EDUCATION DEVELOPMENT - TEACHER TRAINING
(AID-American Association of Colleges for Teacher Education)

Project Objective and Description:

The purpose of this activity is to support educational development by assisting in the training of elementary and lower grade secondary school teachers. This is being done by providing technical assistance, participant training, and the development of textbooks and teaching materials.

Expenditures:

FY 1963 - FY 1972	$4,409,000
FY 1972	249,000
FY 1973	226,000
FY 1974 (Estimated)	208,000

Expected Expenditures for Project Completion:

- OPEN -

Progress to Date:

The National Education Center was opened in Vientiane during 1959, and the Regional Teacher Training Centers in Pakse, Luange Prabang, and Vientiane began operating in 1962. To date, classrooms, dormitories, offices, practical arts shops and gardens, laboratories, dining rooms, and kitchens have been completed to accommodate 3,300 students. Housing units for staff members is a continuing project ingredient. The English curriculum proposed by the University of Michigan contract has been approved by the RLG Ministry of Education. Teacher trainees are engaged in English training with IVS instructors. In June 1973, Laos grants the equivalent of a B.A. degree for the first time within country.

By the end of FY 1979, 3,500 trainees will have been graduated from AID-assisted teacher training schools. By June 1973, 5,800 teachers and administrators have attended in-service training courses. Recent construction of facilities at the new teacher training school in Savannakhet increased the total number of such schools to seven. Faculties of the teacher training schools include 30 Americans. Participant training programs will continue in the United States and Thailand. AID continues to supply commodities in the form of teaching equipment and supplies, office and construction supplies, vehicles, books, and language laboratory equipment.

LAOS
Project No. 439-11-690-064
Began: FY 1963
Proposed Terminal Date: FY 1976

EDUCATION DEVELOPMENT - COMMUNITY EDUCATION

Project Objective and Description:

The purpose of this activity is to expand and improve the quality of elementary education in Laos. This is being done by strengthening school administration and supervision, by upgrading the quality of teaching, by improving the curricula, by providing more classrooms, and by establishing education programs for adults.

Expenditures:

FY 1963 - FY 1972	$3,053,000
FY 1972	330,000
FY 1973	313,000
FY 1974 (Estimated)	329,000

Expected Expenditures for Project Completion:

-OPEN -

Progress to Date:

Emphasis is being placed on the expansion of upper elementary education and the expansion of classroom facilities with the purpose of increasing the number of pupils for additional vocational and other academic subjects. A staff of four direct-hire regional community education advisors assists in this program.

Twenty-two 12-room elementary schools have been financed by USAID, providing material and technical assistance to the Lao on self-help basis. Participant training in the fields of elementary education and school administration continues in the United States and Thailand.

Twenty participants were in training during FY 1972; 12 during 1973; and 12 are anticipated during 1974.

LAOS
Project No. 439-11-690-064
Began: FY 1967
Proposed Terminal Date: FY 1976

EDUCATION DEVELOPMENT - SECONDARY EDUCATION
(AID-University of Hawaii)

Project Objective and Description:

The purpose of this activity is to assist in the development of a national comprehensive, multi-track high school program, using the Lao Language as the medium of instruction, to develop a core of literate, skilled personnel.

Expenditures:

FY 1967 - FY 1972	$4,140,000
FY 1972	989,000
FY 1973	901,000
FY 1974 (Estimated)	550,000

Expected Expenditures for Project Completion:

-OPEN -

Progress to Date:

A University of Hawaii contract team of 11 members provides technical assistance to the Lao for orientation and in-service training of school administrators and teachers. Additional participant training, degree or long-term, is provided in the United States and Thailand.

Initial construction was completed and classes begun at the first comprehensive secondary school during FY 1968. Five have been opened to date. A total of six is planned, one additional school each year until the goal is reached.

In FY 1970, the Ministry of Education, using the services of the Hawaii team, began the introduction of Lao Language, project-produced textbooks and multi-track curriculum in all 14 colleges (junior high schools) in the country.

Twenty-eight participants were trained in this program in FY 1971; 9 were trained during FY 1972; 11 were being trained in FY 1973; while 11 are expected to be in training during FY 1974. A major thrust through FY 1974 for participant training is in the area of English language study.

THAILAND
Project No. 493-11-640-162
Began: FY 1964
Proposed Terminal Date: FY 1976

RURAL EDUCATION
(AID-Resources Development Corporation)

Project Objective and Description:

The objective of this project is to increase the Thai Government's (RTG) capacity to respond to the desires of the rural population for expanded and improved educational opportunities. The project provides administrative guidance and coordination for such project activities in education as:

1) adult education
2) elementary education
3) teacher training, and
4) the improvement of school leadership and finance

Expenditures:		Expected Expenditures for Project Completion:
FY 1964 - FY 1972	$7,997,000	$5,708,000
FY 1972	838,000	
FY 1973	930,000	
FY 1974 (est.)	1,221,000	

Progress to Date:

More than eight million textbooks have been printed on A.I.D.-financed paper imports with the Thai Ministry of Education providing manuscripts, editorial work, printing and distribution. To complement this, seventeen Thais have completed the first phase of training in the art of programming text materials for books.

A school finance specialist has compiled a complete set of data on the financing of schools administered by the Changwat provincial administrative organizations. This data has enabled the Thai Government in focus for the first time on the disparity of educational opportunities in the various provinces and to ascertain future local finance capabilities.

A program of mobile adult education training units for short term training in such technical skills as auto mechanics and radio repair has been initiated. The Thai Government has accelerated its activities in the field by improving supervisory and teacher training programs, and has distributed new adult teaching and reading materials which include agricultural and family planning concepts.

In FY 1974, three direct hire technicians along with several contract technicians will continue to assist the Ministry of Education. In addition, an estimated seventy participants will train in the U.S. and third countries.

THAILAND
Project No. 493-11-610-194
Began: FY 1966
Proposed Terminal Date: FY 1973

VOCATIONAL EDUCATION
(AID-California State Polytechnic College)
(AID-Oklahoma State University)

Project Objective and Description:

The purpose of this activity is to assist the Government of Thailand in a five-year plan to strengthen and expand vocational education and teacher training for agriculture and industry.

Expenditures:		Expected Expenditures for Project Completion:
FY 1966 - FY 1972	$3,608,000	None
FY 1972	598,000	
FY 1973	659,000	

Progress to Date:

Two university teams, with periodic assistance from short-term consultants, have helped to develop and improve Thailand's technical teacher-training institutions. A five-man team from California State Polytechnic College helped the staff at Bang-Pra Agricultural Teachers College to improve its instruction and facilities with a goal of producing 100 or more teachers per year and providing quality in-service teacher education; in addition, nine technical institutes and vocational agriculture schools, to train 4,000 technicians per year, graduating 1,250 annually, also receive assistance under the contract. Curricula of these schools have been revised.

A seven-man team from Oklahoma State University assisted the development of Thewes Teacher Training College to enable it to provide strong preservice and in-service teacher education programs and develop curricular materials and methods designed to improve instruction in all trade and industry schools. Thewes has expanded its enrollment from 275 to 540, and now graduates 180 teachers annually. Fourteen trade schools are conducting modern courses based on occupational analysis.

Three direct hire vocational education advisors and two contract teams have assisted the Ministry of Education, Department of Vocational Education in accomplishing the goals outlined above. Targets set for teacher training, curriculum development, preparation of materials of instruction, and equipment installation and utilization have been met. The direct hire advisors and the contract teams will phase out at the end of FY 1973.

The Thai Government has committed the equivalent of $32 million to this project including $6 million borrowed for imported equipment from the International Bank for Reconstruction and Development (IBRD), $16 million for land acquisition and construction, and $10 million for operation of schools.

VIETNAM
Project No. 730-11-610-322
Began: FY 1967
Proposed Terminal Date: FY 1973

VOCATIONAL EDUCATION

Project Objective and Description:

The purpose of this activity is to establish a system of vocational-technical schools which will be capable of providing a continuing supply of skilled workers, technicians, and teachers for economic development. The project concentrated on the development of 28 technical schools. All schools were given advisory service and commodities. Construction of five of these schools was funded by USAID. The final assistance effort is the completion of a new technical education center: the Ngugen Truong To School, which will have a total enrollment of 1400 regular students and will provide terminal skills training, prepare selected students for higher education, train technical vocational teachers, and provide short-term instruction on a non-formal basis.

Expenditures:		Expected Expenditures for Project Completion:
FY 1967 - FY 1971	$5,824,000	None
FY 1972	126,000	
FY 1973	146,000	

Progress to Date:

The construction of the Ngugen Truong To Technical School is to be completed by 1972. Equipment was installed and classes began in January 1973. In all other technical schools, construction has been completed and instruction is under way.

Seven returned participants are to be assigned as vocational teachers and administrators in key jobs. Dury FY 1973, 12 participants were in training and return to assist in staffing of the technical schools.

An enrollment of approximately 15,000 full-time vocational-technical students was expected by the end of 1973.

Also a staff of about 900 teachers will man the 28 technical schools.

VIETNAM
Project No. 730-11-690-325
Began: FY 1967
Proposed Terminal Date: FY 1974

GENERAL SCHOLARSHIP PROGRAM
(AID - Multi-Institutional Assistance)

Project Objective and Description:

The purpose of this activity is to train students with skills immediately applicable to the needs of Vietnam, and to develop leaders with broad knowledge and perspective in order to promote Vietnamese development.

Expenditures:

FY 1967 - FY 1972	$6,667,000
FY 1972	855,000
FY 1973	445,000
FY 1974 (Estimated)	126,000

Expected Expenditures for Project Completion:

None

Progress to Date:

In February 1967, 127 participants were selected to come to the United States under this program. Each succeeding year brought a similar number of participants for training. The need for special English language training and academic refresher courses has meant that the average general scholarship student requires from five to six years to earn his Bachelor's degree. The unit cost is thus unusually high.

The returning participants who have completed training in the United States are being employed in priviate and public sector jobs in Vietnam. Approximately 50 will complete training in the U.S. by the end of FY 1973. Thirteen participants originally programmed for obligation in FY 1975 have been reprogrammed for obligation and funding in FY 1974.

VIETNAM
Project No. 730-11-660-367
Began: FY 1967
Proposed Terminal Date: FY 1977

HIGHER EDUCATION
(AID-University of Florida)
(AID-University of Missouri)
(AID-Wisconsin State University)
Teacher Education
Library Development

Project Objective and Description:

The purpose of this project is to assist the Government of Vietnam to develop a modern, effective system of higher education which will produce the leadership necessary for national development. This system includes three public universities (Saigon, Hue, and Cantho), five private institutions, a National Agriculture College, and a National Engineering College.

Project targets include (1) establishing a governing board and inter-university committees under that board to establish procedures and regulations applicable to all institutions of higher learning; (2) upgrading the quality of the teaching and administrative staffs and of curricula in the institutions of higher learning, including the normal schools; and (3) improving the facilities and quality of programs in the schools of agriculture and engineering.

Assistance to the Government of Vietnam is being provided through five direct-hire advisors and three university contracts: (1) Wisconsin State University at Stevens Point, which provides consultant services in administrative reforms in the universities; (2) the University of Florida which is assisting to develop a College of Agriculture; and (3) the University of Missouri-Rolla, which is guiding the establishment of a modern engineering college with university-level status.

Expenditures:		Obligations for Project Completion:
FY 1968 - FY 1971	$3,830,000	
FY 1972	1,650,000	
FY 1973	1,265,000	
FY 1974 (Estimated)	439,000	
FY 1974 - FY 1977(Estimated)		$2,000,000

Progress to Date:

Enrollments in the institutions of higher learning increased by 20 per cent from 1970-71 with 68,649 students in the public and private universities, 1,353 in the agriculture and engineering schools, and 4,891 students in the normal schools in the latter year.

The Commission on Teacher Education, which was created in 1971, has been working through five task forces to unify and modernize teacher education programs. A task force on curricula revision has completed its work. Additional task forces developing minimum standards for institutions and programs, a course-credit system, and plans for graduate education and for educational research projects will complete their studies and make recommendations to the Ministry of Education by September 15, 1972.

Ten-year development plans have been prepared for the National Agriculture Center and the National Technical Center. Experimental farm shops and laboratories have been constructed at the National Agriculture Center on the New Thu Duc Campus, and plans have been completed for a National Technical Center on the same campus.

With USAID advisory assistance in the fields of administration and research, the Ministry of Education has developed long-range goals for reorganization of the Ministry with intermediate steps already in the implementation stage. A management analysis unit has been incorporated into the Directorate of Planning and Legislation; a research unit has been created, and the communication channels strengthened to enable direct access to the vice-ministers responsible for curriculum development and for supervision of a decentralized school administrative structure.

VIETNAM
Project No. 730-11-699-368
Began: FY 1967
Proposed Terminal Date: FY 1977

EDUCATION TECHNICAL SUPPORT

(AID - Multi-contractor/Service Center/Consultant Personnel)

Project Objective and Description:

The purpose of this activity is (1) to provide policy guidance, administrative services, and technical support to the education sector, and (2) to give guidance to the U. S. Mission on educational matters. The project provides active support to the Instructional Materials Center, a printing plant for the manufacture of textbooks is being completed. Through the Planning sub-project, a capability in the Ministry of Education for intermediate and long-range planning is being developed.

The project also monitors terminated projects and activities such as adult education, teaching of English, and elementary and secondary education.

Expenditures:		Expected Expenditures For Project Completion:
FY 1967 - FY 1971	$2,436,000	
FY 1972	496,000	
FY 1973	405,000	
FY 1974 (Estimated)		
FY 1974-79 (Estimated)		$1,000,000

Progress to Date:

A beginning, with AID assistance, has been made to tackle the problem of inefficient management, ineffective curricula, and inadequate training of teachers. The Ministry of Education has recognized the need for developing sound long-range programs.

To help provide the needed expertise, advisory and training assistance will be provided to the Ministry beginning in FY 1971.

Additional targets are: to provide support in the field in the education part of the pacification program; to help upgrade the capacity of the Ministry of Education; and to complete a survey of the Ministry's present capacity in planning and administration.

In FY 1972, 31 new starts and seven extensions were planned for participant training in the United States. No new starts were made in FY 1973 participant training. However, a total of 7 extensions were made in FY 1973 and nine participants are expected to be in training during FY 1974.

REGIONAL
Project No. 498-11-690-198
Began: FY 1967
Proposed Terminal Date: FY 1976

REGIONAL EDUCATION DEVELOPMENT

Project Objectives and Description:

This project assists the Southeast Asian Ministers of Education Organization (SEAMEO) in the development of regional programs and activities in education. Six regional education centers have been established and are in various stages of development: Science and Mathematics Teaching (Malaysia); English Language Teaching (Singapore); Graduate Study and Research in Agriculture (Phillipines), Tropical Biology (Indonesia); Educational Innovation and Technology (Vietnam) and Tropical Medicine and Public Health (central office in Bangkok with cooperating centers in member countries).

Obligations:

FY 1967 - 1972	$11,538,000
FY 1972	3,421,000
FY 1973	4,647,000
FY 1974 (Est.)	2,151,000

Additional Expected Expenditures for Project Completion:

$4,709,000

Progress to Date:

The SEAMEO charter was formally ratified in March 1969, establishing the Ministerial Council (SEAMEC) and the permanent Secretariat (SEAMES), now representing Indonesia, Khmer Republic, Laos, Malaysia, Philippines, Singapore, Thailand and Vietnam. Following the initial meeting of Southeast Asian Education Ministers in 1965, extensive cooperative action included evaluating and refining major project proposals, undertaking regional seminars and workshops, and carrying out initial training and research programs. The Agriculture, English, Science/Math, Medical/Health and Biology programs are now embarked on five year operational programs with interim activities underway for Educational Innovation and Technology following a move from Singapore to Saigon. A new building has been completed for the English Program with construction continuing for the Science/Math, Agriculture, Medical and Biology programs.

All of the operational centers carried out training, research and related programs in 1973, with region wide educational study and planning activities continuing under sponsorship of the Secretariat. The program has become an example of successful regional cooperation.

REGIONAL
Project No. 498-15-660-114
Began: FY 1958
Proposed Terminal Date: FY 1974

ASIAN INSTITUTE OF TECHNOLOGY
(AID-Colorado State University Research Foundation)

Project Objective and Description:

This project, under the rubric of East Asian regional development, is to assist in developing a high quality institute for graduate study and research in engineering, responsive to the needs of Southeast Asia, and one which will become self-supporting by 1975.

Expenditures:		Expected Expenditures for Project Completion:
FY 1958 - FY 1972	$12,076,000	None
FY 1972	1,600,000	
FY 1973	827,000	
FY 1974	831,000	

Progress to Date:

Established in 1959 as the SEATO-sponsored Graduate School of Engineering, AIT was chartered as an independent entity in November 1967. AIT offers graduate programs in hydraulics, transportation, structures, soils, and environmental engineering. By the end of 1972, 558 students had received the degree of Master of Engineering. The school had 288 students from twenty-one countries enrolled for the term beginning January 1973.

AID has assisted the development of the school since its inception by providing equipment, funds for participant training and student scholarships, and through a contract with Colorado State University, between 8 and 12 full-time faculty members and advisers. Assistance has also been given for the construction of a new AIT campus on the outskirts of Bangkok which has expanded functions and facilities.

AIT is ahead of schedule in its plans to raise funds for fellowships. Ten of the professional staff of thirty-six in the academic year 1972-73 were provided by the United States.

PROJECT ASSISTANCE

B. NEAR EAST AND SOUTH ASIA REGION

Country	Project Title	Project Number
Afghanistan	1. Curriculum and Textbooks	306-11-690-091
	2. Agricultural Education	306-11-690-092
	3. Technical Education	306-12-660-093
	4. Kabul University Administration Improvement	306-11-680-013
	5. Higher Education, Kabul University	306-11-660-121
Bangladesh	1. Education Sub-Project-Rehabilitation Grant No. 1	388-G-001
India	1. Science Education Improvement	386-11-660-226
Nepal	1. Teacher and Technical Education	367-11-690-228
Pakistan	1. Low Cost Textbook Program	391-11-690-346
Turkey	1. National Education Research and Planning	277-11-680-398
	2. Higher Education Development	277-11-660-445
	3. Bosporus University	277-11-660-597

AFGHANISTAN
Project No. 306-11-690-091
Began: FY 1966
Proposed Terminal Date: FY 1978

CURRICULUM AND TEXTBOOK PROJECT
(FORMERLY ELEMENTARY AND SECONDARY EDUCATION)
(AID - Teachers College, Columbia University)

Project Objectives and Description:

The purpose of this activity is to assist the RGA to upgrade and modernize the primary education curriculum and develop a permanent capability within the MOE for continuous upgrading and publication of instructional materials.

This project formerly had two sub-projects: (a) Faculty of Education and (b) Curriculum & Textbook. The Faculty of Education project began in 1954 (contract with Teachers College, Columbia University) and terminated on June 30, 1971.

In FY 1966, Afghanistan asked for help to reform its primary school curriculum. A team of eight advisors from Teachers College, Columbia University is now in the fourth year of an eight-year program to revise the texts used in the six primary grades, and to add health, agriculture and mechanical arts to the traditional subjects of reading, writing and mathematics. The reform also involves the introduction of new methods of teaching mathematics and the social studies and simplifies the teaching of language and writing. Since this will be the first time texts will be distributed to primary schools through Afghanistan, the program also requires the Afghan Education Ministry to organize textbook writing, testing, printing and distribution. For the first time, new texts, using stories and examples from contemporary Afghan life and illustrated by Afghan artists, will be tested in schools before being printed and distributed.

Expenditures:		Expected Expenditures for Project Completion:
FY 1966 - FY 1972	$1,818,000	
FY 1972	689,000	-OPEN-
FY 1973 (est.)	866,000	
FY 1974 (est.)	856,000	

Progress to Date:

With the assistance of US contract advisors, the MOE is proceeding with the writing, editing, testing and publication of school texts and teachers guides in the following subjects: health, language arts, social studies, manual arts and religion. The distribution policy calls for the teacher, inspector

AFGHANISTAN
Project No. 306-11-690-091
Began: FY 1966
Proposed Terminal Date: FY 1978

or administrator to receive a teacher's edition and guide for each different text, bound together in a single volume. By the end of FY 72, 25 texts and teacher's guides were printed and distributed and 17 more printed ready to be distributed. By the end of FY 77, 142 texts and teacher's guides are to be printed and distributed. In-service workshops to train teachers in the use of new texts are being conducted.

AFGHANISTAN
Project No. 306-11-690-092
Began: FY 1956
Proposed Terminal Date: FY 1973

AGRICULTURAL EDUCATION
(AID - University of Wyoming)

Project Objective and Description:

The purpose of this activity is to help the Government of Afghanistan in developing the Faculty of Agriculture at Kabul University. A contract team from the University of Wyoming is assisting the Faculty of Agriculture in training a competent staff capable of conducting a program of research, resident teaching, and extension designed to meet Afghanistan's needs. An effective Faculty Administration is being developed .

Expenditures:		Expected Expenditures for Project Completion:
FY 1956 - FY 1972	$6,405,000	None
FY 1972	407,000	
FY 1973	39,000	

Progress to Date:

The Faculty of Agriculture was established as an integral part of the University of Kabul in 1956. A contract with the University of Wyoming to assist the College of Agriculture has been in effect since that date with a staff of IO U.S. contract technicians currently on board. From 1961 to 1969, student enrollment has increased from 130 to 449 with a goal of 500 by 1971. Nine students graduated from the original class in 1959 with B.S. degrees in General Agriculture and 38 graduated in 1967.

A four-year curriculum has been developed for undergraduates. Heavy emphasis is being placed on field work where students can actually utilize academic knowledge in a practical manner. A modern classroom and laboratory building for the Faculty of Agriculture on the Kabul University Campus has been completed, financed by AID.

Agricultural research activities have been increased in several major areas, the demonstration farm improved and extension activities increased.

Basic equipment, books, and other commodities are provided by AID. The farm mechanics building is being contracted with certain materials being provided by AID.

This project was phased-out in June 1973.

AFGHANISTAN
Project No. 306-11-660-093
Began: FY 1956
Proposed Terminal Date: FY 1973

TECHNICAL EDUCATION
(AID - Education Development Center - Southern Illinois University)

Project Objectives and Description:

This project has two sub-activities: (1) The Faculty of Engineering: The activity target for this project is to assist in developing a faculty of Engineering in Kabul University with trained teachers, a supporting staff and curricula in four fields of engineering (civil, electrical, mechanical and agricultural). (2) Afghan Institute of Technology: (terminated June 72) This project is to assist the Ministry of Education plan and administer a technical education program; develop staff, curricula and facilities at the Institute so that it may graduate annually 150 trained middle level technicians, and to train a staff of 60 teachers.

Expenditures:		Expected Expenditures for Project Completion:
FY 1956 - FY 1972	$12,417,000	None
FY 1972	490,000	
FY 1973	70,000	

Progress to Date:

(1) Faculty of Engineering (terminates June 1973).
Assistance was provided by the University of Wyoming for this project until 1963. Then AID contracted with a consortium of eleven engineering colleges under a contract with the Education Development Center. The planned annual number of graduates is sixty-five.

The proposed level of students is 500; at the present time there are about 365. The program has developed from a four-year program to a five-year program incorporating six months of related on-the-job training where the students in the junior and senior year are "farmed out" to industry for this training. At the present time, the faculty consists of 45, with 15 future faculty members to finish training in order to reach the planned level of 60. Recently, the faculty has incorporated an engineering management option in its curriculum to supply industry with graduates who have administrative training in the field of engineering.

(2) Afghan Institute of Technology (terminated June 1972).
The final funding year for the full Southern Illinois University team of five men was FY 1971. One technician was required to provide liaison assistance to the Director until the termination of the contract. AIT graduates are trained to enter the Faculty of Engineering.

AFGHANISTAN
Project No. 306-11-680-013
Began: FY 1966
Terminal Date: June 30, 1973

KABUL UNIVERSITY ADMINISTRATION IMPROVEMENT
(AID - Indiana University Foundation)

Project Objectives and Description:

The purpose of this activity is to provide advice and assistance to the executive and management staff of Kabul University in the development of a more effective operation in the areas of university administration, including general administration and policy, student personnel services, business administration, library facilities and academic affairs.

Expenditures:		Expected Expenditures for Project Completion:
FY 1966 - FY 1972	$1,329,000	None
FY 1972	233,000	
FY 1973	288,000	

Progress to Date:

Under this contract, Indiana University is assisting Kabul University in the general area of university administration with four regular staff members.

A reorganization chart and major job descriptions have been completed; a student activities center has been programmed; plans for student health services have been completed; and an analysis of the university budget has been made.

The key to many of the projects' development plans is in the initiative and improvement of procedure and staff of the University's business office.

The nature of this project is best described as one of the consultation and advisement in improving university administrative procedures within the existing framework of Kabul University.

The attainment of goals of this project has great significance for Afghanistan. The nation seeks to obtain the greatest possible number of university graduates to fill key positions in development activities.

AFGHANISTAN
Project No. 306-11-660-121
Began: FY 1973
Proposed Terminal Date: FY 1976

HIGHER EDUCATION, KABUL UNIVERSITY

Project Objectives and Description:

A proposed interim project is being formalized to respond to KU's immediate and expressed needs in areas where the U.S. has particular expertise and experience. It is considered a second generation project to follow four separate U.S. university contracts assisting KU central administration and Faculties of Education (terminated in 1971), Engineering and Agriculture.

Expenditures:		Expected Expenditures for Project Completion:
FY 1973	$682,000	- OPEN -
FY 1974 (est.)	762,000	

Progress to Date:

Proposed Course of Action: (1) Junior faculty members will be sent abroad for participant training focused largely at the Master's Degree level; (2) visiting lecturer program - each year five senior Afghan instructors will come to the U.S. for one-year programs for teaching experience, research, or study within their own discipline; (3) provide vital KU commodity requirements for textbooks, library support, teaching materials and spare parts; and (4) provide short-term consultants to conduct research, workshops, seminars, on-the-job training of Afghan faculty and staff.

A contractor intermediary will be selected to provide the services at KU.

During FY 1973, twenty one participants will have come to the U.S.

BANGLADESH
Grant: 388-G-001
Began: FY 1972
Proposed Terminal Date: FY 1974

EDUCATION SUB-PROJECT-REHABILITATION GRANT NO.1
(AID - Franklin Book Programs, Inc.)

Project Objectives and Description:

An Education Sub-Project--U.S. A.I.D. Relief and Rehabilitation Grant (No. 1) to the Government of the People's Republic of Bangladesh. The purpose of this activity is to provide inputs in educational rehabilitation efforts to increase textbook publication at the primary and secondary level, as well as the university level.

Expenditures:		Expected Expenditures for Project Completion:
FY 1972	$ N.A.	$987,380 (Total Amount of Grant)
FY 1973	N.A.	
FY 1974 (est.)	N.A.	

Progress to Date:

The following work areas have been identified for U.S. imputs in these efforts:

1. Primary and secondary level textbooks

   a. Planning: Five year projections of the types and quantities of textbooks required at all primary and secondary levels.

   b. Production: Printing of new textbooks and revision of existing textbooks; purchasing of critical materials; and selection of printers and suppliers.

   c. Distribution: Design of a distribution system for textbooks produced under the US AID grant program; development of pilot projects or activities to expedite textbook distribution; and organization of instructional workshops on textbook distribution.

2. University textbooks: Assist in (1) the procurement of American university textbooks for the designated six universities of Bangladesh and (2) library training and services necessary to assure circulation of the textbooks.

INDIA
Project No. 386-11-660-226
Began: FY 1965
Proposed Terminal Date: FY 1973

SCIENCE EDUCATION IMPROVEMENT
(AID - National Science Foundation)

Project Objectives and Description:

The purpose of this activity is to assist in establishing an effective national program for upgrading the teaching of science and technology and creating an organization capable of administering and improving the program when U.S. assistance is terminated.

Expenditures:	Grant	Loan	Expected Expenditures for Project Completion:
FY 1965 - FY 1971	$6,077,000	-	None
FY 1972	376,000	-	
FY 1973	-		

Progress to Date:

This project (formerly Summer Science Institutes) began in 1963, with three experimental science institutes of six weeks' duration conducted through the facilities of Teachers College, Columbia University. In 1964, it expanded to fifty institutes in engineering technology and engineering in the polytechnic and engineering schools. In 1965, the program was expanded to 93 institutes and in 1966, to 100 through contracts with Teachers College, Columbia University, Ohio State University, University of Wisconsin, and the University of Houston.

In 1966, the National Science Foundation assumed responsibility for the program. Institutes have been held each summer for seven years. By 1969, some 25,000 Indian University faculty and secondary teachers had attended the Institutes. The Indians conducted 30 of these Institutes without direct U.S. Indian teachers. In 1970 the number of Institutes reduced to 72 with 75 U.S. consultants. The proposed implementation of a follow-up program will involve the services of short-term consultants.

The Summer Science Institutes (SSIs) constitute the Government of India's major effort to provide in-service education to teachers of science. Indian Science Education leaders are now demonstrating their ability to conduct individual institutes with a minimum of foreign technical assistance.

Due to the political situation, AID assistance in India has been curtailed. The NSF staff will continue to advise the GOI in planning and implementing key science education improvement programs in selected schools, colleges and universities throughout India through June 1973.

NEPAL
Project No. 367-11-690-228
Began: FY 1972
Proposed Terminal Date: FY 1977

TEACHER AND MATERIALS UTILIZATION AND DEVELOPMENT AND AGRICULTURE EDUCATION
(AID - National Education Association/NEA)

Project Objectives and Description:

This project has two segments:

1. Teacher and Materials Utilization and Development: To assist the College of Education, now the Institute of Education (IOE), in setting in operation a process by which education materials are developed, refined, tested, revised and used in the classrooms through the improvement of in-service and pre-service teacher training programs to be directed by the IOE. The subject matter areas of mathematics and science will be used as the main target areas for developing the process.

The major goals of the project are: (a) establish a capability in the IOE for the research and development of an effective feedback system for the evaluation of teaching techniques and methods, education materials utilization and subject matter relevance; (b) review, revise and redirect existing training programs for supervisors and for pre-service and in-service teachers; (c) develop, test and put into use manuals for teachers, teacher trainers and supervisors.

2. Agriculture Education (Project No.367-11-690-228.2): To assist the Government of Nepal in the establishment of a cadre of vocational agriculture teacher educators who will have the competence to plan and conduct secondary agriculture teacher training programs and who will be competent to function as vocational supervisory personnel.

Included under this Project is a Summer activity, Teach Corps (formerly under Project No. 367-11-610-060 Project Now 367-11-690-228.1). Under contact with NEA, AID has cooperated with the Government of Nepal. FY 1972 expenditures were $25,000 with 20 TCVs while in FY 1973 $4,100 was expended.

Teach Corps Volunteers (TCV) have been in Nepal since 1967. Each year the number of volunteers requested by the Nepalese has increased; last year (1972) 20 were requested. This FY (1973) 5 were requested.

Expenditures:		Expected Expenditures for Project Completion:
FY 1973	$211,100	$1,680,000
FY 1974 (est.)	200,000	

Progress to Date:

1. Teacher and Materials Utilization and Development

A four month personnel services contract (June 24 - November 1) was made in 1972 to study the Janak Education Materials Organization in terms of its expanded role as a quasi-governmental agency with broad publishing responsibilities

2. Agricultural Education

A three and one half month personnel services contract (March 29 - July 15) was made in 1972 to develop a conceptual base which relates secondary agriculture education to the needs of the Nepal agriculture sector and total school programs.

PAKISTAN
Project No. 391-11-690-346
Began: FY 1972
Proposed Terminal Date: FY 1974

LOW COST TEXTBOOK PUBLISHING
(AID - Franklin Book Programs, Inc.)

Project Objectives and Description:

The purpose of this project is to provide technician services, commodities and participant training to assist the GOP in increasing the supply and improving the quality of textbooks.

Expenditures:

FY 1972	$ 44,000
FY 1972 (pipeline)	165,000
FY 1973	120,000
FY 1973 (pipeline)	45,000
FY 1974 (est.)	45,000

Expected Expenditures for Project Completion:

None

Progress to Date:

One technician is presently in the field completing a two-year contract. The long term advisor provided through the contractor has conducted extensive discussions with Pakistan's publishers, educators and government officials, and through these discussions has compiled a preliminary list of book titles for reprint and has established initial contacts with the American publishers of these texts.

With the new GOP emphasis on education and the establishment of new library facilities, the results of this project could have a wide ranging impact on the government's facilities to institute rapid changes in its education system.

1. Institutional Grants - Project No. 391-11-660-366

Last year, AID announced a new type of assistance referred to as the "phase-out grant," the objective of which is to provide inputs for institutions which AID has supported in the past. There are four universities in Pakistan which have been assisted in the past by US AID and which could benefit greatly from this type of grant. They are:

1. Punjab University Institute for Educational Research/Indiana University
2. University of Peshawar, Engineering College/Colorado State University
3. University of Karachi, Institute of Business Administration/ University of Southern California
4. University of Lyallpur/Washington State University

It was planned during FY 1973 to negotiate an institutional contract or a task order for two short-term consultants, six weeks each, at the Institute of Education and Research, University of the Punjab, Lahore and University of Pershawar, to review the potential for institutional relationship between two US and two Pakistani institutions and prepare a detailed plan of action for utilizing the proposed institutional grants.

TURKEY
Project No. 277-11-690-398
Began: FY 1967
Proposed Terminal Date: FY 1973

NATIONAL EDUCATION RESEARCH AND PLANNING
(AID - Michigan State University)

Project Objective and Description:

The purpose of this activity is to assist the Ministry of Education put into operation its newly created National Education Budget and Planning Department which is designed to determine the country's education requirement; assist in the preparation of basic informational materials leading to formulation of policies and programs; and prepare the budgets necessary for their support. These developments will help modernize government operations.

Expenditures:

FY 1968 - FY 1972	$722,000
FY 1973	225,000
FY 1974 (est.)	35,000

Expected Expenditures for Project Completion:

None

Progress to Date:

Michigan State University signed a contract with AID in January 1968 to assist in this project by providing the services of a maximum of five contract technicians working with Turkey counterparts.

The Chief of Party arrived in Turkey in January 1968. The selection of the major portion of the staff for the project was completed soon afterwards. A second contract advisor arrived in August 1968. Work on the organization will be a continual part of the project.

There are now two full-time contract technicians at work. Fourteen participants are in the United States.

The MOE has indicated that it expects to ask AID for short-term consultants in various fields related to education reform. While some of these will be provided prior to the expiration of the contract, the need will continue sometime thereafter.

TURKEY
Project No. 277-11-660-445
Began: FY 1968
Proposed Terminal Date: FY 1973

HIGHER EDUCATION DEVELOPMENT
(AID - Loan)

Project Objectives and Description:

The purpose of this activity is to support the development of the Middle East Technical University and Hacettepe University as modern institutions of higher education in Turkey. This project is an integral part of a package of assistance which totals more than twelve million dollars, the major portion of this amount being in the form of a loan, $4.5 million to H.U., and $4.5 million to METU.

Expenditures:	Grant	Loan	Expected Expenditures for Project Completion:
FY 1968	None	$9,000,000	None
FY 1969	$233,000		
FY 1970	424,000		
FY 1971	684,000		
FY 1972	None		
FY 1973	None		

Progress to Date:

The success of this project depends on continuing to strengthen the administrative capacity of the two universities. Consultants have been provided to both universities for the purpose of reviewing development plans for a number of faculties and for approving purchase of supplies, equipment and books under AID loans.

This project was under contract with Education and World Affairs (EWA) until December 1970. Effective January 1, 1971, METU and Hacettepe entered into a direct contract with the visiting professors and assumed administrative responsibilities of the project. US AID will finance the dollar portion of the program.

There are 82 participants in training in the United States and four visiting US professors at METU and HU (on loan). Thirty six participants have returned to Turkey (METU and HU) having completed their training programs.

TURKEY
Project No. 277-11-660-597
Began: FY 1973
Proposed Terminal Date: FY 1977

BOSPORUS UNIVERSITY
(AID - Block Grant)

Project Objectives and Description:

This is a five-year program of grant assistance for Bosporus University (BU) in Istanbul (in Turkish, Bogazici Universitesi). Although Turkey's newest university (founded in 1971), BU carries with it the traditions of academic excellence developed by the former college level division of Robert College. Concurrently, the University will be offered the incentive of increasing matching grants.

The project provides a total of $1,250,000 to the University of which $900,000 would be in the form of basic grants and the remainder, $350,000 in matching grants.

Expenditures:		Expected Expenditures for Project Completion:
FY 1973	$335,000	$1,250,000
FY 1974 (est.)	315,000	

Progress to Date:

Primary responsibility for project planning will be placed in the hands of the University itself with AID playing a minimal role in these two areas. Annual reviews of the University's academic programs and development plans will provide both AID and Bosporus the opportunity to examine the project's progress and necessary modification.

AID Inputs:

a. Basic Grants: Provide the required support for BU's faculty development and library acquisitions during FY 1973 and 1974. In 1975, the basic grant will taper sharply and terminate in 1977.

b. Matching Grants: Match both foreign exchange contributions to the faculty development program and a portion of the lira donations that BU raises from private sources.

Early in the spring of 1973 and in all subsequent years, a joint review will be carried out by USAID and BU.

PROJECT ASSISTANCE

C. AFRICA REGION

Country	Project Title	Project Number
Ethiopia	1. University General Support	663-11-680-138
	2. University Facilities	663-22-660-143
Liberia	1. Rural Education Development	669-11-690-037
Nigeria	1. Port Harcourt Comprehensive Secondary School	620-51-650-735
	2. Advanced Professional Studies	620-11-660-792
	3. Educational Planning and Advisory Services	620-11-690-747
	4. Public Services Training	620-11-790-214
Tanzania	1. Educational Materials and Advisory Services	621-11-690-065
Uganda	1. Graduate Agriculture Faculty	617-11-110-060
	2. Comprehensive Secondary Girls School	617-11-650-011
East Africa Regional	1. Makerere Agriculture Faculty	618-11-110-618
	2. Educational Research and Development	618-11-690-640
Africa Regional	1. Expanded In-Service Training	698-11-610-153
	2. African Graduate Fellowship Program (AFGRAD)	698-11-660-062
	3. African Scholarship Program of American Universities (ASPAU)	698-11-660-603

Country		Project Title	Project Number
	4.	African Higher Education Program-Scholarships (INTERAF)	698-11-660-210
	5.	Educational Advisory Services	698-11-660-211
	6.	Education and Training Activities (AAI Headquarters)	698-11-680-186
	7.	African Mathematics Program	698-11-690-356
	8.	African Science Program	698-11-690-357
	9.	African American Scholars Council	698-11-690-376
	10.	Instructional Television Evaluation (Ivory Coast)	698-11-960-377
	11.	African Economic Development (Sec. 211 (d) Grant)	AID/csd - 2547

ETHIOPIA
Project No. 663-11-660-138
Began: FY 1960
Proposed Terminal Date: FY 1976

UNIVERSITY GENERAL SUPPORT

Project Objective and Description:

The purpose of this activity is to contribute to the creation of a quality university capable of meeting the major portion of Ethiopia's high and middle manpower requirements. The United States will continue its participation in the process of developing Haile Selassie I University into a qualith undergraduate institution capable of meeting these needs.

Expenditures:		Expected Expenditures for Project Completion:
FY 1960 - FY 1972	$4,096,000	$2,803,000
FY 1972	1,292,000	
FY 1973	1,385,000	
FY 1974 (est.)	2,185,000	

Progress to Date:

The achievement of the basic objective of assisting the Ethiopian Government in the production of requisite high level manpower requires the establishment and continued upgrading of a group of colleges and departments capable of training adequate numbers of students in specific disciplines; the creation of a strong and effective central administration to carry out sound management, fiscal and personnel policies; perform the administrative and academic functions of HSIU in an effective manner; and the development of long-range academic and capital development plans.

The estimated life of the project is subject to change.

ETHIOPIA
Project No. 663-22-660-143
Began: FY 68
Proposed Terminal Date: FY 76

UNIVERSITY FACILITIES

Project Objective and Description:

The purpose of the General Support project is to provide support for technical assistance activities. Included in this project was the development and improvement of Haile Selassie I University which was provided under three loans as follows:

	Loan Number	Amount	Purpose
1.	663-H-014	$1,000,000	Purchase of books, equipment design and construction of the cafeteria, and design of 6 dormitories.
2.	663-H-019	$3,700,000	Construction of 5 dormitories at HSIU plus initial construction activities on a 6th dormitory, at Alemaya.
3.	663-H-019a	$1,200,000	Completion of construction of the 6th dormitory and purchase of equipment.

Expenditures:	Loan	Expected Expenditures for Project Completion:
FY 1972	$1,000,000	
FY 1973	3,700,000	
FY 1974 (Est.)	1,200,000	$700,000*

* Additional request being considered.

Progress to Date:

Construction work is 65% complete as of June 30, 1973, and is virtually all on schedule. As a result of improvements to designs and use of readily available materials, construction costs were reduced by $40,000. However, increases in some costs as well as increased equipment and instructional material needs have prompted requests for an additional $700,000 from FY 74 loan funds

Procurement of equipment and instructional materials has proceeded under four phases and is on schedule. All book orders have been placed, approximately 75% of the commodities have been received, but actual disbursement at end of June was $267,000.

LIBERIA
Project No. 669-11-690-037
Began: FY 1956
Proposed Terminal Date: FY 1972

RURAL EDUCATION DEVELOPMENT

Project Objective and Description:

The purpose of this activity is to assist the development of education in the rural areas of Liberia. The primary focus of three former, direct-hire Rural Education Advisers has been the establishment of education headquarters in each of the county seats of Bong, Loffa and Nimba Counties.

Expenditures:		Expected Expenditures for Project Completion:
FY 1956 - FY 1972	$3,539,999	None
FY 1972	72,000	
FY 1973	11,000	

Progress to Date:

Progress in education in the three counties is illustrated by an improved school administration, teacher workshops, a higher quality of education, more holding power of the schools, and improved and enlarged physical facilities.

During FY 1968, efforts were made to continue teacher workshops, strengthen the country administrative system, and to establish accountability systems for all commodities in the rural schools. Twenty schools in Loffa and Nimba counties were put into operation in FY 1968.

A students - upward - bound program is the only continuing aspect of the project.

This project is being phased out during FY 1973.

NIGERIA
Project No. 620-51-650-735
Began: FY 1962
Proposed Terminal Date: Open

PORT HARCOURT COMPREHENSIVE SECONDARY SCHOOL
(AID - University of California at Los Angeles)

Project Objective and Description:

The purpose of this activity is to demonstrate the economic and educational advantages of offering academic, commercial, vocational and agricultural education in one large secondary school, as opposed to the current system of small, single-purpose institutions. It will demonstrate the possibility of offering expanded educational opportunities in a pattern suitable for modifying the entire system of secondary education in Eastern Nigeria. In early project years, before interruption by the Civil War, it proposed to expand the initial enrollment of 120 to approximately 1,400 by 1970 and reduce the recurrent per pupil costs by almost 50 percent. As a result of Nigerian plans to add a technical teacher training component to the school, Loan No. 620-H-007 was provided to complete expansion of facilities and give even greater emphasis to vocational education.

Expenditures:	Grant	Loan	Expected Expenditures for Project Completion:
FY 1962 - FY 1967	$1,820,000	$	None
FY 1968	235,000		
FY 1969	None		
FY 1970	None		
FY 1971	None		
FY 1972		$1,800,000	
FY 1973	None		
FY 1974 (Est.)		$ 700,000	$700,000*

Progress to Date

The 1967-70 civil disturbances caused the evacuation of all personnel under this project from Eastern Nigeria. As part of our rehabilitation effort, we have provided a principal to help the school return in its prewar standard until completion of the planned survey in mid-1970. An American firm of architects and engineers completed drawings in 1967 and construction was recommenced in 1971 following the Civil War. An additional $700,000* is being requested from FY 74 funds to meet greatly inflated costs.

NIGERIA
Project No. 620-11-660-792
Began: FY 1972
Proposed Terminal Date: FY 1975

ADVANCED PROFESSIONAL STUDIES
(University of Lagos)

Project Objectives and Description:

The Columbia Teacher Training College of New York was contracted by the University of Lagos to assist in upgrading educational leaders by developing a long vacation course for employed educators and strengthening the primary science and math teacher-training program in the School of Education at the University of Lagos.

Expenditures:	Grant	Expected Expenditures for Completion of Project:
FY 1972	$134,000	None
FY 1973	180,000	
FY 1974	300,000	
FY 1975 (Est.)	285,000	

Progress to Date:

Special vacation courses in all the disciplines named above have been established in the School of Education of the University of Lagos and approximately 100 administrators, supervisors, inspectors, and teachers have completed them. Counterparts from the School of Education are in training to replace the contract team upon completion of the Contract in FY 1975.

NIGERIA
Project No. 620-11-690-747
Began: FY 1961
Proposed Terminal Date: N.A.*

EDUCATIONAL PLANNING AND ADVISORY SERVICES
(AID - Education and World Affairs)

Project Objective and Description:

The purpose of this project is to assist the Nigerian Ministries of Education in the formulation of education plans, in the development, implementation, and evaluation of AID-assisted activities in the field of education, and in coordinating AID projects with other Nigerian programs in the field of education.

Expenditures:		Expected Expenditures for Project Completion:
FY 1961 - FY 1972	$4,624,000	Continued*
FY 1972	555,000	
FY 1973	62,000	
FY 1974 (Est.)	- 0 -	

Progress to Date:

Principal accomplishments have included funding of mission division education staff, assignment of direct-hire technicians to Ministries of Education, participant training programs, and the completion of contract services provided by Education and World Affairs. This contract resulted in the issuance of the report Nigerian Human Resources Development and Utilization in December 1967. The report has been acclaimed as a useful tool for re-assessing and planning educational development in Nigeria.

* This project will continue, subject to annual review.

NIGERIA
Project No. 620-11-790-214
Began: FY 1966
Proposed Terminal Date: FY 1974

PUBLIC SERVICE TRAINING
(AID - University of IFE)

Project Objectives and Descriptions:

The project originated because of an urgent need for government personnel skilled in project development, implementation and evaluation.

The University of Massachusetts and the University of Connecticut have contracted with the University of Ife to strengthen that institution's Institute of Administration by developing a course in project design, analysis, and implementation. In turn, the Institute of Administration is to train personnel in the Nigerian Government in Project Management.

Expenditures:	Grant	Expected Expenditures for Project Completion:
FY 1966 - FY 1972	$1,922,000	None
FY 1972	381,000	
FY 1973	177,000	
FY 1974	371,000	

Progress to Date:

A sixteen-week course has been established at the University of Ife. Fifty persons have been trained in two sessions of the course. Three selected educators have been selected for advanced training in the United States in project design and development. Extension courses are being set up in various state capitols.

TANZANIA
Project No. 621-11-690-065
Began: FY 1965
Proposed Terminal Date: FY 1973

EDUCATIONAL MATERIALS AND ADVISORY SERVICES

Project Objective and Description:

The purpose of this project is to provide U.S. books, literature and teaching equipment to key areas in the education programs of Tanzania, and at the same time to provide advisory staff members who will be responsible for the planning, direction and implementation of the educational program. Another purpose is to assist the Ministry of Education in the establishment of an in-service training program to upgrade 350 teachers annually.

Expenditures:		Expected Expenditures for Project Completion:
FY 1965 - FY 1972	$728,000	None
FY 1972	None	
FY 1973	None	

Progress to Date:

The two direct-hire education advisors are now located in the Ministry of Education which improves advisory services.

Contributions of education materials and equipment under this activity have been provided to key educational institutions throughout Tanzania.

The three-year program for upgrading grade "C" teachers to grade "B' has been initiated.

A total of seven Tanzanian education officers participated in observation study tours during 1964-1966.

The National Education Association Teacher Corps has completed their three year participation in the Ministry's up-grade program for "C" level teachers.

This project is phased out at the end of this FY.

UGANDA
Project No. 617-11-110-060
Began: FY 1972
Proposed Terminal Date: FY 1980 *

GRADUATE AGRICULTURE FACULTY
(AID - Consortium of West Virginia University, Ohio State University, and North Carolina Agriculture and Technical University)

Project Objective and Description:

Makerere University, Kampala, is helped to establish a program of post-graduate study in agriculture that will help meet East Africa's need for advanced degree professionals to carry out research and to teach in agricultural areas. This activity shifts AID assistance in higher agricultural education to the graduate level, as a logical follow through to the successful conclusion of undergraduate activities (see East Africa Regional Project No. 628-11-110-618 - Makerere Agriculture Faculty). Advanced academic instruction and supervision of research by candidates for graduate degrees and participant training for potential Uganda faculty members who will replace U.S. staff is provided.

The main objectives are to assist the Faculty of Agriculture in planning and developing a curriculum, teaching, and research system which offers suitable M.S. degree work for about 30 advance degree graduates per year by 1973, as compared to two in 1969; establish closer ties between agriculture research and extension services of the region, and to train Africans to replace the U.S. faculty.

Expenditures:

FY 1972	$332,000
FY 1973	520,000
FY 1974	200,000

Expected Expenditures for Project Completion: *

None

Progress to Date:

Students for the agriculture degrees come to Makerere from all the countries in eastern Africa (although most are from the East African Community countries of Tanzania, Kenya and Uganda) since Makerere offers the only graduate agriculture program in the eastern part of the continent.

FY 1973 funds requested were for one direct hire project manager, eight contract professors, and twelve months funding for seven participants in plant and soil science, poultry science, agricultural economics, and extension of education.

* Due to the political situation in Uganda, the project was terminated effective June 30, 1973.

UGANDA
Project No. 617-11-650-011
Began: FY 1964
Proposed Terminal Date: FY 1972

COMPREHENSIVE SECONDARY GIRLS SCHOOL
(AID - University of Massachusetts)

Project Objective and Description:

The purpose of this activity is to assist the Government of Uganda establish a comprehensive-type secondary school for girls in order to modify its existing education system for the purpose of a more realistic development of its human resources.

Expenditures:		Expected Expenditures for Project Completion:
FY 1964 - FY 1972	$3,640,000	None
FY 1972	316,000	
FY 1973	230,000	

Progress to Date:

The University of Massachusetts has furnished 16 teachers under this contract.

The Tororo Girls School is in its fifth year of operation and has an enrollment of approximately 640 pupils.

In 1968 seventy-one of the first graduating senior class received the East African Certificate of Education.

Satisfactory progress has been made in implementation of the overall project activities.

Uganda Government is now adopting the counsellor program first developed at Tororo in other secondary schools in the country.

The contract with the University of Massachusetts was terminated in FY 1972. The project was continued with the provision of 5 OPEX teachers at Tororo provided under contract AID/AFR 771-Task Order 8 with the Trans Century Corporation. This contract and project were terminated June 30, 1973.

EAST AFRICA REGIONAL
Project No. 618-11-110-618
Began: FY 1964
Proposed Terminal Date: FY 1972

MAKERERE AGRICULTURE FACULTY
(AID - West Virginia University)

Project Objective and Description:

The purpose of this activity is to develop the capacity of the Faculty of Agriculture, Makerere University College, to increase the output of undergraduate and graduate level manpower and to reorient agricultural research activities and classroom instruction. Prior to the 1969/70 academic year, Makerere Agricultural Faculty was the only institution in East Africa providing degree training agriculture.

Expenditures:		Expected Expenditures for Project Completion:
FY 1964 - FY 1972	$1,325,000	None
FY 1972	None	
FY 1973	None	

Progress to Date:

The Requirements Analysis Team of two men from the University of Minnesota visited Makerere in 1964, and prepared a comprehensive requirements analysis for the development and expansion of the Faculty of Agriculture.

A contract was signed by AID with West Virginia University to provide staff for Makerere Agriculture Faculty through June 1970. This contract included the employment of eight agricultural specialists whose major activities were instruction, research, and institution building.

Makerere enrollment increased from 48 in 1964/65 to 215 in 1969. This project was phased out in FY 1972. However, a continuation and upgrading of this project has been accomplished through a new FY 1973 project (No. 617-11-110-060). (See Uganda).

EAST AFRICA REGIONAL
Project No. 618-11-690-640
Began: FY 1968
Proposed Terminal Date: FY 1973

EDUCATIONAL RESEARCH AND DEVELOPMENT

Project Objective and Description:

This project was established by the Regional Council for Education to determine the common problems in education in the region and to attempt to find solutions to them.

Expenditures:		Expected Expenditures for Project Completion:
FY 1969	$ 4,000	None
FY 1970	4,000	
FY 1971	66,000	
FY 1972	None	
FY 1973	None	

Progress to Date:

The Regional Council for Education has held three meetings since September, 1968. Some of the problems studies were: Testing and Selection of pupils for secondary education, Programmed Learning, Education of the Handicapped, and plans for publishing a Regional Journal.

This project is phased out at the end of this FY.

AFRICA REGIONAL
Project No. 698-11-610-153
Began: FY 1968
Proposed Terminal Date: FY 1976

EXPANDED IN-SERVICE TRAINING
(AID - O.I.C., Philadelphia Headquarters)

Project Objectives and Description:

To provide headquarters support for training programs in 4 African countries. The principal objective of the program is to identify new opportunities to train Africans in technical skills and support the initiation or expansion of non-formal, job related training programs in Africa. A major part of the effort in the program is to adapt to African conditions the non-formal training techniques of Opportunities Industrialization Centers. These techniques involve cooperation between government, private enterprise and labor with emphasis on self-help.

Expenditures:		Expected Expenditures for Project Completion:
FY 1968 - FY 1972	$ 490,000	$ 300,000
FY 1972	265,000	
FY 1973	342,000	
FY 1974 (est.)	356,000	

Progress to Date:

Support for program activities were provided in Ghana and Nigeria. Preparatory work in Kenya and Ethiopia was completed and program implementation was begun.

AFRICAN REGIONAL
Project No. 698-11-660-062
Began: FY 1963
Proposed Terminal Date: FY 1979

AFRICAN GRADUATE FELLOWSHIP PROGRAM (AFGRAD)
(AID - American-African Institute)

Project Objective and Description:

The purpose of this project is to assist in meeting Africa's need for personnel with advanced training to staff its universities, research institutions, government offices and private industry. Under this program African universities, African governments and the U.S. Government cooperate to make graduate-level training available to carefully selected personnel required for specific positions. The project is administered by the African-American Institute (AAI) under an AID contract.

Expenditures:		Expected Expenditures for Project Completion:
FY 1963 - FY 1972	$ 5,354,000	$5,159,000
FY 1972	1,106,000	
FY 1973	1,240,000	
FY 1974 (est.)	1,200,000	

Progress to Date:

From AFGRAD's inception in 1963 through June 30, 1972, 386 students from 33 countries received graduate degrees in the United States. There are 348 students being assisted by the program this academic year (1972/73) including 25 special award students for which A.I.D. finances maintenance and tuition, and 8 foreign student advisors from African universities who are studying for 3 to 6 months before returning to Africa. An estimated 120 students will graduate by June 1973. During 1973/74, an estimated 340 students, including 120 new entrants and 25 special award students, will receive assistance under the program.

FY 1974 Programs:

$1,285,000 will fund this program for 12 months of 1974/75. We anticipate 220 continuing students and 120 new entrants for a total of 340 students. The study fields will continue to be closely related to the development needs in such areas as administration agriculture, education, public health and rural development. The program's administrative and supervisory costs are provided for under project "AAI-Education and Training Activities - 698-11-680-186".

AFRICAN REGIONAL
Project No. 698-11-660-603
Began: FY 1961
Proposed Terminal Date: FY 1976

AFRICAN SCHOLARSHIP PROGRAM OF AMERICAN UNIVERSITIES (ASPAU)
(AID - African-American Institute)

Project Objective and Description:

To help meet African requirements for trained manpower by supporting the efforts of U.S. colleges and universities to provide undergraduate training for selected African students. Under this program, over 220 American institutions have provided tuition-free, four-year scholarships. The students' home country pays international travel costs and A.I.D. pays for their subsistence and other program expenses. This program is administered by the African American Institute which is responsible for selection and university placement, maintenance payments and other administrative arrangements.

Expenditures:		Expected Expenditures for Project Completion:
FY 1961 - FY 1972	$ 16,891,000	$179,000
FY 1972	707,000	
FY 1973	410,000	
FY 1974	500,000	

Progress to Date:

The 1970/71 academic year was the final year for new intake of regular ASPAU students. Nineteen junior year transfer students from Africa who were accepted into the program in September 1971 will complete their studies when the last four-year students are scheduled to graduate in June 1975. Since the ASPAU program began, 1594 students from 33 African countries have received undergraduate training in the U.S. Many of these have now returned home to assume positions in government or private industry while others have continued their education and sought graduate degrees. Now that African colleges and universities are more capable of meeting most of the undergraduate training needs, the ASPAU program will terminate with the graduation of students still in training by the end of FY 1975. The Inter-African Scholarship Program (698-11-660-210) was developed to substitute for this program to respond to the undergraduate training needs of Africans, at African universities.

As of June 1972, 1338 ASPAU students had graduated. One-hundred thirty-four "regular" students are continuing their education in FY 1973, as are the 20 "transfer" students who entered in academic year 1971/72. Eighty-three students are expected to graduate by June 1973, leaving 71 students to continue their education in FY 1974.

FY 1974 Program:

$60,000 will finance the costs of 21 continuing students during academic year 1974/75. No new entrants are planned for the program.

AFRICA REGIONAL
Project No. 698-11-660-210
Began: FY 1967
Proposed Terminal Date: FY 1979

AFRICAN HIGHER EDUCATION PROGRAM (AHEP/AAI) - INTERAF
(AID - Association of African Universities)

Project Objective and Description:

To provide undergraduate diploma and certificate training for Africans at African universities outside their home countries through a grant to the Association of African Universities (AAU), an African organization.

African colleges and universities have been expanding their capability to assume a larger role in training Africans at the undergraduate level. Because of their increased capacity, training under this program has progressively been substituted for that provided in the U.S. under the African Scholarship Program, American Universities. This project seeks to encourage the maximum use of the existing facilities minimize the costly duplication of facilities by African universities, and reduce the need for African governments to send students overseas.

Expenditures:		Expected Expenditures for Project Completion:
FY 1967 - 1972	$ 2,904,000	$6,406,000
FY 1972	1,148,000	
FY 1973	1,490,000	
FY 1974 (est.)	1,500,000	

Progress to Date:

In academic year 1972/73, there were 780 students from 33 countries studying at 38 universities and 150 students are expected to graduate by June 1973.

FY 1974 Program:

$1,505,000 will finance this project for 12 months of 1974/75 including $1,345,000 for 791 students and $160,000 for administration.

The AID contribution to the student costs of this program is based on an average student fee of approximately $1700. In addition, A.I.D. will continue to provide funds to the Secretariat to assist it to become a permanent and viable organization.

AFRICA REGIONAL
Project No. 698-11-660-211
Began: FY 1969
Proposed Terminal Date: FY 1975

EDUCATIONAL ADVISORY SERVICES
(AID - Overseas Liaison Committee)

Project Objective and Description:

The purpose of this project is to stimulate communications and cooperation among Africans and African institutions with respect to their mutual development needs, and to develop a position vis-a-vis American academic institutions whereby their research and development efforts can be more effectively related to African needs in higher education and development activity.

The Overseas Liaison Committee of the American Council on Education will provide advisory and study teams, short-term consultants, and other professional services to African governments, universities and other professional education groups and institutions as well as to AID.

Expenditures:

FY 1969 - FY 1972	$377,000
FY 1972	178,000
FY 1973	168,000
FY 1974 (Est.)	215,000

Expected Expenditures for Project Completion:

None

Progress to Date:

The OLC has developed a close working relationship with the Association of African Universities (AAU), an African organization expected to provide the lead in the field of African higher education and its relationship to African development needs. In addition to advisory services provided the UBLS, the University of Dakar for social science research, and to A.I.D. in the preparation of requested studies, the OLC has cooperated closely with the AAU in the development of a workshop with participants from all African universities and expatriate observers.

This project is expected to begin to phase out during FY 1974.

AFRICA REGIONAL
Project No. 698-11-680-186
Began: FY 1968
Proposed Terminal Date: FY 1979

EDUCATION & TRAINING ACTIVITIES (AAI HEADQUARTERS)
(AID - AAI - Headquarters)

Project Objectives and Description:

The purpose of this project is to provide the most efficient way of handling administrative and supervisory services, overhead expenses, and other costs applicable to AID contracts with the African-American Institute (AAI).

Expenditures:		Expected Expenditures for Project Completion:
FY 1968 - FY 1972	$ 4,062,000	$1,793,000
FY 1972	867,000	
FY 1973	730,000	
FY 1974 (est.)	616,000	

Progress to Date:

A basic agreement with AAI details the general education and training activities to be undertaken and finances the administrative and support funds for the services shared among the following project: Project 698-11-660-603 - African Scholarship Program of American Universities (ASPAU); Project 698-11-660-062 - African Graduate Fellowship Program (AFGRAD). The present arrangement minimizes duplication, actually reduces the cost to AID of contractor administration of multiple projects, and enables the contractor to organize his office more efficiently.

At the end of FY 1973, the ASPAU program will have been reduced to 61 students, and responsibility for administering the South African Training Program will be transferred to the office of East and South Africa (AFR/ESA) of AID. FY 1973 funds will finance 17 U.S. staff employees during 1973/1974, including one regional representative in Africa and 30 local employees, most of whom are part time. These figures reflect a continuing decrease in the level of AID support to AAI.

FY 1974 Program:

Five hundred twenty thousand dollars will fund this activity for 12 months in 1974/1975 for administrative costs of two scholarship programs. Staff reductions to 15 full and part time U.S. employees and commensurate reduction in numbers of local staff are planned.

AFRICA REGIONAL
Project No. 698-11-690-356
Began: FY 1970
Proposed Terminal Date: FY 1975

AFRICAN MATHEMATICS PROGRAM
(AID - Education Development Center)

Project Objective and Description:

The purpose of this project is to promote new mathematics programs and teaching concepts through development of curriculum materials and teacher training in cooperation with African educators. Implicit in this project is the intent to overcome the disparity between over-production of students in the humanities and the increasingly critical shortage of technical and science trained personnel in African countries.

Expenditures:

FY 1970 - FY 1972	$ 525,000
FY 1973	427,000
FY 1974 (Est.)	399,000

Expected Expenditures for Project Completion:

$280,000

Progress to Date:

Four workshops were held between December 1970 and January 1971, each of about six weeks duration, with the primary objective to adapt mathematic texts according to the requirements of the participating countries. An indication of African interest is reflected in the number of Africans who attended the winter workshops in 1971/72. Four more workshops were held in the summer of 1971. In-service teacher training is ongoing with 64 visits made to African colleges and schools.

Five participating countries have stated their interest in adopting the completed texts in their official curricula when the final texts have been approved.

An evaluation has been completed by the American Institutes for Research of both the African Mathematics and Science programs.

AFRICA REGIONAL
Project No. 698-11-690-357
Began: FY 1971
Proposed Terminal Date: FY 1976

AFRICAN SCIENCE PROGRAM
(AID - Education Development Center)

Project Objective and Description:

The purpose of this project is to reform curricula and introduce new approaches to teaching science in primary schools in Africa by training teachers in new methodologies, and develop science teaching curriculum units for each primary school grade. It is also the intent of this project to change students' attitudes, skills and understanding to enable them to relate logically to their own cultures and to the modern world.

Equally important is the effort to develop African regional and national organizations required to administer the programs and publish the text materials.

Expenditures:		Expected Expenditures for Project Completion:
FY 1971 - FY 1972	$ 301,000	$ 246,000
FY 1973	331,000	
FY 1974 (Est.)	286,000	

Progress to Date:

Curriculum materials have been developed jointly with African teachers and new methods of science teaching introduced into a number of African countries. Fifty-four units of science subjects have been completed. The units were tried in 3,500 African classrooms and 3,750 African teachers and teacher educators have been involved in the program. Over 250 workshops have been held under this and a previous, centrally funded project. In FY 1973 the emphasis has been on teacher training and curriculum development.

In addition, an independent organization, the Science Education Program for Africa (SEPA), has been developed to administer this program, and eleven African countries are participating in the body.

AFRICA REGIONAL
Project No. 698-11-690-376
Began: FY 1972
Proposed Terminal Date: FY 1975

AFRICAN AMERICAN SCHOLARS COUNCIL
(AID - African American Scholars Council)

Project Objective and Description:

To utilize a professional council of American scholars to select and support research activities of special potential for the social and economic development of Africa. Further, to conduct this activity so as to provide for selection of research areas responsive to African interest, the participation of minority American professionals and cooperative efforts between Americans and Africans in the research activities is encouraged.

This project meets a need to assist Africa in enlarging relatively small but growing research efforts for the solution of development problems. It responds to African needs for the identification of problem areas for research through provision for collaborative consideration with American scholars and collaborative assistance in conducting research directed to their solution. The project is implemented by the AASC through participation in professional meetings and seminars in the U.S. and in Africa and through funding of specific research activities in priority subject matter areas identified at these meetings.

Expenditures:		Expected Expenditures for Project Completion:
FY 1972	$ 87,000	$555,000
FY 1973	204,000	
FY 1974 (est.)	280,000	

Progress to Date:

Procedures have been developed to review individual research proposals and determine priority areas for research. Two staff and five council members visited approximately twenty African countries to establish contacts with professionals in Africa. Selected council members participated in four professional meetings in the United States to encourage greater interest in African development problems. Twenty-four research proposals and related activities were approved as follows: economics, agriculture and health -- fourteen; education -- six; sociology-anthropology -- four. The grantees are from Nigeria, Ghana, Sierra Leone, Zaire, Rhodesia, Tanzania, and the United States.

FY 1974 Program:

A.I.D. will provide $280,000 for the following: research subgrants ($150,000), professional seminars and conferences ($15,000), staff salaries ($65,000), and other administrative costs including transportation, per diem, and equipment ($50,000).

As of April 1973, 24 research proposals were approved for implementation in Africa. It is expected that approximately 20 research sub-grants will be supported during FY 1974.

AFRICA REGIONAL
Project No. 698-11-960-377
Began: FY 1972
Proposed Terminal Date: FY 1975

INSTRUCTIONAL TELEVISION EVALUATION (IVORY COAST)
(AID - Academy for Educational Development)

Project Objectives and Description:

To provide American expertise in the form of consultants for the evaluation of the Ivory Coast Instructional TV Project in conjunction with an international team of evaluators.

Expenditures:		Expected Expenditures for Project Completion:
FY 1972	$ 4,000	$18,000
FY 1973	31,000	
FY 1974 (est.)	35,000	

Progress to Date:

Work completed [illegible] date consists of initial analysis of program costs and a study of effectiveness of teacher education activities.

AFRICA REGIONAL
211 (d) Grant No. AID/csd - 2547
Began: FY 1970
Proposed Terminal Date: FY 1977

AFRICAN ECONOMIC DEVELOPMENT GRANT
(AID - University of Michigan/Blumgart)

Project Objectives and Description:

The objective is to increase the competence and understanding of the University of Michigan, Center for Research in Economic Development, in the problems of African development, with particular emphasis on Francophone Africa. The original grant for $675,000 made in November, 1969 permitted the Center to strengthen grant amendments made in June 1972 and June 1973 (for $465,000 and $477,000) have enabled the Center to expand considerably the Francophone African aspect of the program. They have made possible the recruitment, French language training and placement at four Francophone African universities -- Dakar, Abidjan, Yaounde and Kinshasa -- of eight able, young American economists for 2-3 years each for teaching and research. In addition, fellowships for doctoral research in Francophone Africa have been awarded to University of Michigan students, African graduate students from the four Francophone Universities are being recruited for graduate study at Michigan, research grants on Francophone African development subjects have been awarded to University of Michigan faculty, a program for bringing Francophone African specialists to Michigan has been initiated, and the library acquisition program has been broadened in coverage.

Expenditures:		Expected Expenditures for Project Completion:
FY 1970 - FY 1972	$287,000	$880,000
FY 1972	167,000	
FY 1973	225,000	
FY 1974 (est.)	225,000	

Progress to Date:

New courses and seminars have been added to the curriculum of the Department of Economics. Research projects in such areas as export policy, rural resettlement, migration, social sector investments, demography and rural development have been initiated. As the Center has grown in experience and knowledge about African development, it has been increasingly called upon by agencies such as AID, the World Bank and the Ford Foundation for consultant assignments and to provide technical assistance.

PROJECT ASSISTANCE

D. LATIN AMERICA REGION

Country		Project Title	Project Number
Bolivia	1.	Education Administration (formerly Human Resources Development)	511-11-690-439.3
Brazil	1.	Agricultural Education	512-11-110-094
	2.	Education Administration and Planning	512-11-680-296.1
	3.	Higher Education	512-11-660-263
	4.	General Participant Training	512-11-660-263.7
	5.	Development Science and Technical Research/Chemistry	512-11-660-263.11
	6.	Developmental Science and Technical Research/Chemistry (formerly Technical, Scientific, and Educational publications)	512-11-691-127
	7.	Education Sector Loan I	512-L-078
	8.	Education Sector Loan II	512-L-078
Chile	1.	Training for Development	513-15-690-172
	2.	Education Sector Loan	513-L-034
	3.	Education Sector Loan	513-L-040
Colombia	1.	Legal Education Reform	514-15-660-153
	2.	Education Sector Loan	514-L-054
Costa Rica	1.	General Assistance to Education	515-11-680-085
El Salvador	1.	Education Development	519-11-690-071
	2.	Educational Reform Program Including ITV (Loan)	519-L-013

LATIN AMERICA REGION (continued)

Country		Project Title	Project Number
Honduras	1.	Education Development	522-11-690-054
	2.	Secondary Education (Loan)	522-L-017
Nicaragua	1.	Educational Planning and Development	524-11-640-023
Panama	1.	Education Development and Implementation	525-11-690-127
	2.	Santa Maria University (Loan)	525-L-031
Paraguay	1.	Education Development	526-15-699-095
Peru	1.	Manpower and Education	527-15-690-067
Venezuela	1.	National Manpower Training and Human Resources Development	529-15-690-013
LA/ROCAP	1.	Development of Institutions of Higher Education	596-11-660-012
	2.	Business Administration	596-13-770-024
	3.	Regional Education Planning and Research	596-11-690-029
LA/Regional	1.	Latin American Scholarship Program of American Universities	598-11-690-453
	2.	Regional Technical Aids Center Mexico (RTAC)	598-11-995-005

BOLIVIA
Project No. 511-11-690-439.3
Began: FY 1965
Proposed Terminal Date: FY 1974

EDUCATION ADMINISTRATION
(formerly Human Resources Development - combined with Teacher Education Project)

Project Objectives and Description:

Project authorized FY 1973 to overide the Teacher Education Project.

The purpose of this project is to establish an administration capability within the Ministry of Education appropriate to the efficient implementation of its responsibility.

The project details the shift in emphasis of providing the Bolivian Ministry of Education with technical assistance for teacher training and the development of instructional materials to assist the MOE with the formulation of administrative procedures necessary for the unification and development of a more efficient system.

Expenditures:

FY 1966 - FY 1972	$1,086,000
FY 1972	449,000
FY 1973	446,000
FY 1974 (est.)	345,000

Expected Expenditures for Project Completion:

None

Progress to Date:

Since project was authorized in FY 1973, there is nothing to report relative to the progress made during the reporting FY.

BRAZIL
Project No. 512-11-110-094
Began: FY 1951
Proposed Terminal Date: FY 1973

AGRICULTURAL EDUCATION

(AID - Purdue Univ, Univ., of Wisconsin,
Ohio State Univ., Univ. of Arizona)

Project Objective and Description:

The purpose of this project is to expand the capacity of Brazilian institutions to train the agricultural technicians required for more rapid development of Brazil's agricultural and rural resources.

The goal at the university level is to double the 1963 undergraduate enrollment by 1970; to increase graduate level training over the same period by ten-fold; and to integrate teaching, research, and extension.

At the secondary level the goal is to triple the 1962 enrollment in agricultural technical schools by 1970. This project is assisting the universities in Brazil to modernize their approach to agricultural education. The strategy is to shift from a traditional treatment of agricultural teaching to an approach with practical applications.

Expenditures:		Expected Expenditures for Project Completion:
FY 1951 - FY 1972	$17,311,000	None
FY 1972	1,567,000	
FY 1973	1,900,000	
FY 1974 (Est.)	110,000	

Progress to Date:

Graduate education programs have been established in the Federal University of Vicosa, and the agricultural colleges of the Universities of Rio Grande do Sul, and Sao Paulo. A program was established at the University of Ceara in 1970. Graduate enrollment in these schools has increased from 51 in 1962 to 221 in 1969; staff members with M.S. and Ph.D degrees have increased from 27 in 1962 to 115 in 1969. Other achievements of the program have been acceptance by the schools of the concept of integrating, teaching, research and extension; acceptance of a leadership role in development of agriculture within the respective states; and educational and organizational reform in the schools, particularly replacing the "catedratico" or chair system with the modern system.

The project was phased-out during FY 1973.

BRAZIL
Project No. 512-11-680-296.1
Began: FY 1963
Proposed Terminal Date: FY 1977

EDUCATION ADMINISTRATION AND PLANNING
(AID - SAN DIEGO STATE UNIVERSITY)

Project Objectives and Description:

To assist the MOE and the state secretariat of Education for Fundamental and Secondary Education to achieve an improved planning and administrative capacity. It is designed to promote wiser application of resources for education. The goal is to improve the efficiency and effectiveness of fundamental and secondary education in Brazil.

This project combines two former projects (No. 512-11-640-037, Elementary and Basic Education, and No. 512-11-610-042, Secondary and Industrial Education).

Expenditures:		Expected Expenditures for Project Completion:
FY 1963 - FY 1972	$5,318,000	$2,308,000
FY 1972	483,000	
FY 1973	912,000	
FY 1974 (est.)	900,000	

Progress to Date:

Brazil's high priority on education is demonstrated by its goals for the period 1970-1974: primary school enrollment to increase 35%, secondary 100%, public expenditures up 92%; and illiteracy cut by 75% in the 15 to 35 age bracket. Substantial progress has been made in building the Ministry's capacity to carry out its program. Educational planning units are now active in 19 states; all are still in need of additional training & technical assistance. Over 300 specialists will have completed training and will be employed in key positions at the federal and state levels by June 1973.

BRAZIL
Project No. 512-11-660-263
Began: FY 1958
Proposed Terminal Date: FY 1976

HIGHER EDUCATION
(AID - Vanderbilt University, University of Houston, Inter-American University Foundation, National Academy of Sciences, U.S. Department of Labor, Atomic Energy Commission)

Project Objective and Description:

The purpose of this project is to support a planning process to improve higher education and assist in university contracts, provide assistance to the Ministry of Education and Culture, and the Council of Rectors of key universities. This project also includes assistance for manpower planning and scientific research.

Expenditures:		Expected Expenditures for Project Completion:
FY 1958 - FY 1972	$6,786,000	- OPEN -
FY 1972	1,378,000	
FY 1973	1,746,000	
FY 1974 (Est.)	2,815,000	

Progress to Date:

About 150 Brazilian university administrators from 25 universities are participating intensively in the project. Five hundred more attended 11 seminars on university management and modernization in 1969. Twenty administrators attended two courses on university administration at the University of Houston. Model graduate engineering programs are being developed at the Federal University and the Catholic University in Rio de Janeiro. Graduate programs in economics are being established at the University of Sao Paulo and the Getulio Vargas Foundations. By 1969 these efforts have expanded through extension programs to eight additional Brazilian universities.

Advanced economic training in the U.S. has been given to more than 18 students. Short-term AEC advisors assist Brazilians in nuclear power use for peaceful purposes. The NAS and the Brazilian National Research Council have established joint study groups in agriculture and industry and graduate programs in chemistry at Federal University, University of Sae Paulo and the Brazilian Center for Research in Physics. Specialized training is offered yearly to approximately 35 new scholars in science and technology: 75 student leaders take part annually in leadership seminars. In 1971 assistance was directed to economics education and scientific research.

During FY 1973, high quality post-graduate training and research in chemistry was being developed at two Brazilian universities by ten post-doctoral fellows under an AID contract with the National Academy of Science (NAS). Five U.S. fellows are doing research and teaching in Sao Paulo and Rio de Janeiro respectively under the guidance of senior U.S. and Brazilian professors. Four Brazilian professors and three graduate students have received advance training in the U.S. in research methods in chemistry. Academic training in various priority fields was provided to 147 participants during FY 1973, including 110 new participants and extension of training programs for 37 others. It is projected for FY 1974 that programs will be provided for five long-term and 15 short-term participants in university planning and administration; five Brazilian professors or graduate students will begin study in advanced chemistry. One hundred twenty new, plus 100 continuing participants will come to the U.S. in such priority fields as science and technology, non-formal education, health and urban development.

BRAZIL
Project No. 512-11-660-263.7
Began: FY 1959
Proposed Terminal Date: OPEN

General Participants (No PROP needed)

Project Objectives and Descriptions:

Provides funds for general participant training in the United States.

Obligations:		Expected Expenditures for Project Completion:
FY 1959 - FY 1972	$2,909,000	- OPEN -
FY 1972	1,707,000	
FY 1973	1,457,000	
FY 1974 (est.)	2,300,000	

Progress to Date:

During FY 1973, 147 participants were in training. One hundred (100) continued training during FY 1974 while 120 new participants began their training programs.

BRAZIL
Project No. 512-11-660-263.11
Began: FY 1969
Proposed Terminal Date: FY 1974

DEVELOPMENT SCIENCE AND TECHNICAL RESEARCH/CHEMISTRY
(AID - U.S. National Academy of Science)

Project Objectives and Descriptions:

The project is aimed at the development of high quality post-graduate teaching and research in chemistry. Now in its fourth year, it provides embracement of advanced research capability at centers of excellence in Brazil, expansion of institutional capabilities to produce well trained scientists, creation of linkages between Brazilian universities and industry. Eight (8) NAS overseas research Fellows (5 at Sao Paulo and 3 at Rio) are in Brazil.

Expenditures:		Expected Expenditures for Project Completion:
FY 1969 - FY 1972	$489,000	None
FY 1972	150,000	
FY 1973	168,000	
FY 1974 (est.)	None	

Progress to Date:

The project has resulted in 7 M.S. degrees awarded and 34 M.S.s and 10 Ph.D.s in progress. A number of technical papers have been published in international journals with others having been submitted for publication.

BRAZIL
Project No. 512-11-691-127
Began: FY 1962
Proposed Terminal Date: FY 1973

DEVELOPMENTAL SCIENCE AND TECHNICAL RESEARCH (CHEMISTRY)
(formerly technical, scientific, and educational publications)

Project Objective and Description:

The purpose of this project is to assist the Brazilian Government's efforts to develop a sustained program of textbook distribution to schools at no costs to elementary and secondary schools and at low prices to universities.

Expenditures:		Expected Expenditures for Project Completion:
FY 1962 - FY 1972	$1,239,000	None
FY 1972	118,000	
FY 1973	10,000	

Progress to Date:

Demonstrational collections have been sent to 3700 schools in 3950 municipalities to enable teachers to participate in textbook selection. More than 7.5 million books were issued to 78 municipalities to provide one textbook per subject matter per student. Through regional seminars, 150,000 elementary teachers were trained in textbook use. In addition, 309,000 teachers manuals and guides have been distributed.

This project was phased-out during FY 1973.

BRAZIL
Loan No. 512-L-078
Date Authorized: 6/29/68
Date Signed: 11/13/69

EDUCATION SECTOR LOAN I

Objective and Description:

The purpose of this loan of $32 million is to effect namely, quality changes in secondary education, modernization of curriculum, improvement in teacher qualification, upgrading administration, improving physical facilities and equiping schools principally in the following four states: Bahia, Minas Gerais, Rio Grande do Sul and Espirito Santo. Additionally, efforts will be made by the GOB to increase and to regularize its financial contributions.

The loan is concentrating on the integration of primary and secondary education planning.

About 60% of the loan has been expended to date.

BRAZIL
Loan No. 512-L-081
Date Authorized: 6/29/70
Date Signed: 6/17/71

EDUCATION SECTOR LOAN II

Project Objective and Description:

The purpose of this $50 million loan is to support a comprehensive program of qualitative and quantitative improvement in fundamental (grades 1-8) and secondary (grades 9-12) education, while concomitantly strengthening the capacities of the Brazilian Ministry of Education and Culture and the State Secretariats of Education to plan and administer broad scale improvement programs.

No draw-down has been made against this loan by the end of FY 1973.

CHILE
Project No. 513-15-690-172
Began: FY 1964
Proposed Terminal Date: FY 1973

TRAINING FOR DEVELOPMENT

Project Objective and Description:

The purpose of this activity is to provide graduate level training in the United States to Chilean professionals from government institutions, universities and selected private organizations in the fields of economics and related social sciences, and to increase the fund of knowledge and objective information needed as a basis of achieving solutions to social and economic development problems by financing special studies and seminars. Particular emphasis will be given to short term training programs which facilitate transfers of scientific and technological knowledge.

Expenditures:		Expected Expenditures for Project Completion:
FY 1964 - FY 1972	$1,222,000	None
FY 1972	50,000	
FY 1973	100,000	

Progress to Date:

Two hundred and six participants have been trained under this project to date and have either returned to Chile or are studying in the U.S. Of those who have returned to Chile, more than 60% completed programs leading to a Master's degree and 25% attended various short courses and seminars of a specialized nature. Nearly all returned participants are now working in Chile. They are working for the institution which sponsored them, and they have continued in their field of specialization in positions of greater responsibility than before their training.

CHILE
Loan 513-L-034
Authorized: 6/29/67
Signed: 9/14/67

EDUCATION SECTOR LOAN

Objective and Description:

This $10 million loan represents the first phase of a major A.I.D. contribution to Chile's education reform program. The assistance will accelerate and expand Chilean government efforts in educational reform and school construction at the primary and secondary levels. The long-range objective is to help develop an educational system which will provide education to the lower income classes and assure the availability of the trained people necessary for sustained economic growth. This loan finances local currency investment expenditures in education by the Chilean Government, direct imports of educational equipment from the U.S., and technical assistance. Tranche releases are keyed to Chilean performance in various facets of educational development of an eight-year primary cycle and a two-track (general and vocational) secondary cycle, curriculum modernization including distribution of new textbooks, improved and expanded teacher training and allocation of a greater share of (A.I.D. financed) public sector investment to education.

Progress to Date:

The loan is fully disbursed. Chilean performance met or exceeded conditions of the loan in all instances. In FY 1967, 96 primary schools were begun, 13 regional educational centers were initiated incorporating federal and vocational programs in one facility, up-grading courses were given to 12,700 teachers and supervisors, structural and curricular reforms continued on schedule and actual GOC educational expenditures exceeded the loan requirement.

CHILE
Loan 513-L-040
Authorized: 6/19/68
Signed: 10/3/68

EDUCATION SECTOR LOAN

Objective and Description:

This loan for 16.3 million is a continuation of the financing begun with the first Chile Education Sector Loan, 513-L-034. Both are to assist in the financing of a six-year comprehensive education reform plan. (See loan status sheet for the previous loan for a description of the purpose of the program).

Progress to Date:

Results of a detailed loan review completed in June 1969 showed that conditions of the loan had been complied with and that targets for education sector program were being met and frequently exceeded. For example, during 1968, 12,000 teachers were retained (the goal was 5,000) and 1,780,000 textbooks were distributed (the goal was 1,500,000). In 1969, 2,012,000 primary school children were enrolled (the goal was 1,905,000 by 1971).

The loan has been fully disbursed.

COLOMBIA
Project No. 514-15-660-153
Began: FY 1971
Proposed Terminal Date: FY 1973

LEGAL EDUCATION REFORM
(AID - International Legal Center)

Project Objective and Description:

The purpose of this activity is to assist Colombian Law Schools in the development of improved legal education with special emphasis on the modernization of teaching methods and curricula, and the introduction of legal research activities relevant to Colombian conditions. Long-range objectives include the improvement of criminal justice and the reform of legal processes so as to provide for a more equitable and efficient basis for administration of justice. The project is administered in Colombia through an association of Colombian law schools (ARED) which currently has four members. Initial work and program recommendations were completed by the Ford Foundation in 1967, 1968 and 1969. In FY 1970 A.I.D. provided assistance to the project through the Latin America regionally funded social and civic development program in improving legal education. Beginning in FY 1971 A.I.D. will assist the project from country funds.

Expenditures:		Expected Expenditures for Project Completion:
FY 1970 - FY 1972	$232,000	None
FY 1972	140,000	
FY 1973	118,000	

Progress to Date:

A.I.D. and the Ford Foundation are providing financial assistance for specialized training of law professors, development of law libraries and research programs, an exchange program with U.S. law professors, and in-country seminars for law school faculty concerning teaching methodology and legal education reform. Plans have been worked out by A.I.D., Ford Foundation and Colombian law schools to introduce the analytical case method in legal education problem solving techniques.

Revised Project Objective and Description (FY 1972):

The development of a viable Institution, the Colombian Association for Legal Education (ARED) providing a framework for Colombian Law Schools to analyze their own qualitative growth and increased vigor.

This project was phased out during FY 1973.

COLOMBIA
Education Sector Loan No. 514-L-054
Date Authorized: 4/25/69
Date Signed: 5/19/69

EDUCATION SECTOR LOAN

Loan Objective and Description:

The purpose of the loan is to enable and encourage the Government of Colombia to adopt and carry out improved policies and programs in education, assist dollar cost financing of essential private and public sector imports from the U.S., generate local currency from dollar sales to finance high priority projects and programs in education, and provide U.S. advisory services in secondary education.

The authorized A.I.D. loan of $10 million supplements a 1968 World Bank loan of $7.6 million and a planned second loan to help finance construction of 19 new comprehensive education centers costing $40 million.

Progress to Date:

The GOC established Regional Education Funds and technical assistance has been provided to them. Nearly 1.5 million textbooks will be distributed in primary schools this year. The draft 5-year primary and secondary education plan is being revised, the planning staff increased, the training provided. Ten comprehensive schools will be opened by August 1970; the remaining nine were scheduled for 1971 completion. More than 3,000 teachers are being trained for the schools. The $1.25 million technical assistance component of the loan will extend the three U.S. university contracts now grant-funded -- California, New Mexico, Oklahoma.

COSTA RICA
Project No. 515-11-680-085
Began: FY 1965
Proposed Terminal Date: FY 1973

GENERAL ASSISTANCE TO EDUCATION
(Textbook Project)

Project Objective and Description:

The purpose of this project is to assist the Ministry of Education by improving the quality of its primary education system, by printing and distributing ROCAP/ODECA textbooks, by adviee and assistance in administration, planning and curriculum. Another objective is to work with the University of Costa Rica in developing and implementing a loan for faculty improvements and student scholarships.

Expenditures:		Expected Expenditures for Project Completion:
FY 1965 - FY 1968	$301,000	None
FY 1969	131,000	
FY 1970	67,000	
FY 1971	258,000	
FY 1972	164,000	
FY 1973	185,000	

Progress to Date:

At the close of FY 1972 more than 2,000,000 elementary textbooks had been produced under this project, teachers and supervisors have been oriented in the utilization of them, and Ministry personnel had been assisted in establishing warehousing and distribution procedures.

Improvements were made in the three normal schools, including administration refinements, practice teaching programs, and improved teaching procedures.

The NEA Teach Corps assisted in the training of more than 5,000 teachers in series of workshops in school organization, methods of teaching mathematics, science, and language arts, and the 94 district supervisors in the functions of their positions. Supervisors were assisted in developing supervisory programs for their respective districts.

With the assistance of RTAC in Mexico, textbook rental library and bookstore programs were developed in the national university and the normal schools of the country.

The program is phasing out with only the textbook production activity in operation since FY 1971. Final funding was made in FY 1972. This project was phased out during FY 1973.

EL SALVADOR
Project No. 519-11-690-071
Began: FY 1954
Proposed Terminal Date: FY 1975

EDUCATION DEVELOPMENT

Project Objective and Description:

The objective of this project is to assist the Government of El Salvador in a comprehensive program of educational reform for the purpose of upgrading the quality of instruction at all levels and making the total system more effective in serving the national development needs of the country. Quantitative and qualitative improvements in the national system are expected to be achieved through the following activities: extension of the general level of education to nine grades; by revising curriculum grades 1 through 12; by upgrading teacher and supervisor training; by effecting management improvements in the operation of the Ministry of Education; and by developing an ITV project, aimed not only at improvement of Salvadorean education but also to provide a viable demonstration, for possible adaption by other Latin American countries, of the potential use of the new technology to extend educational opportunities.

Expenditures:		Expected Expenditures for Project Completion:
FY 1955 - FY 1972	$5,441,000	$2,865,000
FY 1972	283,000	
FY 1973	253,000	
FY 1974 (est.)	149,000	

Progress to Date:

Transmission of ITV has entered its third year. During the first year 32 experimental 7th grade classes received approximately 17 programs per week, in five subject areas. A total of 1200 students were involved. In 1973 almost all public junior high schools involving some 60,000 pupils received ITV. Seventh and eighth grade curricula have been revised. Revising of the primary curricula have been completed. More than 15,000 teachers have received professional retraining. Work has continued, under a management contract, to effect organizational improvement in the Ministry of Education.

EL SALVADOR
Loan No.: 519-L-013
Date Authorized: 6/28/68
Date Signed: 11/28/69

EDUCATIONAL REFORM PROGRAM INCLUDING ITV

This loan in the amount of $1.9 million is to assist the El Salvador Ministry of Education to institute significant reforms in the educational system by curriculum reform, upgrading of teacher and supervisor training for grades 1-12, and development of a country-wide instructional television system to be used solely for educational purposes consistent with the official school curriculum.

This loan was ratified by the newly elected Salvadoran Assembly after June 1970.

HONDURAS
Project No. 522-11-690-054
Began: FY 1965
Proposed Terminal Date: FY 1974

EDUCATION DEVELOPMENT

Project Objective and Description:

The purpose of this project is to assist in the establishment of an educational system responsive to the human resources needs of Honduras. Activities are carried out as the elementary level (ODECA textbook program), and college level (faculty upgrading). The chief object of this project is to produce and distribute elementary textbooks in quantity and quality, and to train teachers in their use.

Expenditures:		Expected Expenditures for Project Completion:
FY 1965 - FY 1972	$1,525,000	Open
FY 1972	465,000	
FY 1973	307,000	
FY 1974	40,000	

Progress to Date:

More than six million elementary textbooks and teacher guides have been produced and distributed. AID has been instrumental in doubling elementary classroom space. More than 6,000 participants have been trained in the use of the textbook. A mathematics specialist has been contracted, who will train 500 teachers in field courses lasting an average of two weeks each.

More than 12,000 children graduated from the sixth grade in 1966, double the number in 1958. An elementary education AID contract advisor was assigned to develop the textbook distribution program. This distribution and control system has been established and controls the movement of books from the Central Warehouse in 159 regional distribution points.

In CY 73, 80 supervisors received intensive [illegible] training at the Textbook Center. Plans for FY 1974 call for contracts for printing the last 13 titles of the Textbook Program.

In 1972, less than 7% of the 13-18 years of age population was attending secondary school. An analysis of the problem of AID has resulted in a seven million dollar loan for secondary education which is described in a separate project (see 522-L-017, next page).

HONDURAS
Loan No. 522-L-017
Authorized: 6/27/67
Signed: 9/19/67

SECONDARY EDUCATION

Project Objective and Description:

This loan in the amount of $7 million is for the purpose of constructing one teacher's college and 19 secondary schools in the major population concentrations of the country; to equip the schools with furniture, textbooks and laboratory supplies; and to provide technical assistance in reorganizing the administration and secondary curriculum and in training key personnel in the secondary education field. This project calls for a complete reorganization or secondary education which has been pinpointed as the principal "bottleneck" in Honduras education.

Progress to Date:

A U.S. university consortium (State University System of Florida) has been contracted with loan funds to provide training and assist the GOH in revising secondary education curricula, teaching practices, and administrative methods. The training of the 45 long-term (2 year) participants in the U.S. and Honduras is on schedule. The university consortium is also providing shorter term training courses in Honduras for secondary education personnel. An engineering firm has been contracted to design and supervise the construction of the secondary schools. Construction was scheduled to begin the last quarter of FY 1970.

A little more than three million dollars had been spent at the end of FY 1973.

NICARAGUA
Project No. 524-15-690-023
Began: FY 1954
Proposed Terminal Date: FY 1973

EDUCATIONAL PLANNING AND DEVELOPMENT

Project Objective and Description:

The purpose of this project is to provide assistance to the Ministry of Education and to a limited extent to university level institutions, and to the Nicaraguan Development Institute for its scholarship program. Major emphasis is on primary education, including school construction and maintenance, the textbook program, and community participation in school activities. The project includes a student loan fund.

Expenditures:		Expected Expenditures for Project Completion:
FY 1955 - FY 1972	$3,369,999	None
FY 1972	275,000	
FY 1973		

Progress to Date:

More than 1,300,000 primary textbooks and teachers' guides have been produced and distributed to schools and more than 3,000 teachers have been trained in their use. Three hundred fifty-three classrooms with 85 auxiliary rooms have been completed and 347 additional classrooms are under construction. Nine hundred seventy-one loans totalling more than $218,000 have been made to students over the past seven years by the Nicaraguan Development Institute, which the project has assisted.

Textbook rental library bookstore programs were created and developed in each of the following institutions of higher learning: National University of Nicaragua, the Central American University, and the Polytechnic Institute of Nicaragua.

Primary school curriculum reform is well underway. The curriculum for the first four grades has been completely revised to make it more functional, with emphasis on agriculture and practical education.

Efforts to improve education administration and planning include two participants in Puerto Rico and two in a third country.

This project was phased out during FY 1973.

PANAMA
Project No. 525-11-690-127
Began: FY 1966
Proposed Terminal Date: FY 1973

EDUCATION DEVELOPMENT AND IMPLEMENTATION

Project Objective and Description:

The purpose of this project is to assist the Government of Panama meet the public demand for improved educational services and facilities, and produce more and better trained citizens to support expanding development effort through assistance in developing and ultimately monitoring a National Education Loan; producing and distributing 2.5 million primary school textbooks; and assisting the Universities of Santa Maria and Panama in a joint effort to establish a Social Science Research Institute.

Expenditures:		Expected Expenditures for Project Completion:
FY 1967 - FY 1970	$ 578,000	None
FY 1971	331,000	
FY 1972	227,000	
FY 1973	159,000	

Progress to Date:

The AID funded National Education Plan was adopted in 1969 and is being implemented by the GOP. The GOP plans a total investment of some $236 million over the next 15 years, with $42 million from external sources. The University of Santa Maria La Antigua, Panama's only private university, began in 1969 and is being implemented by the GOP. The GOP plans a total investment of some $236 million over the next 15 years, with $42 million from external sources. The University of Santa Maria La Antigua, Panama's only private university began in 1969 the first phase of a long range $2.5 million program to expand curriculum and facilities under AID Loan 525-L-031. The Primary Textbook Production Program expanded its activities last year with new facilities at a cost of $250,000; production tripled and 250,000 textbooks were printed and distributed. The self-help school contruction program neared completion with all but three of the 166 schools (759 rooms) completed by the end of FY 1972.

PANAMA
Loan No. 525-L-031
Authorized: 4/25/69
Signed: 5/23/69

SANTA MARIA UNIVERSITY

Loan Objective and Description:

To assist the University of Santa Maria La Antigua, the only private university in Panama, to construct and equip the first four buildings at a new university campus.

The loan is in the amount of $1.3 million. The University will contribute $940,000 in cash and in-kind toward the construction and equipment of the new campus.

Progress to Date:

Architectural and engineering services have been working as contracted for. On January 14, 1970 a contract was signed between USMA and the University of Oklahoma in behalf of the Southwest Alliance for Latin America for technical services in the development of the new campus and in planning utilization.

By the end of CY 1972, $229,000 had been disbured.

PARAGUAY
Project No. 526-15-699-095
Began: FY 1968
Proposed Terminal Date: FY 1976

EDUCATION DEVELOPMENT
(AID - State University of N.Y. Buffalo)

Project Objective and Description:

The purpose of this project is to establish institutional and administrative reforms in key primary and secondary schools and higher institutions to enable them to take the lead in redirecting Paraguay's education system towards meeting the nation's requirements for accelerated economic and socio-political development. The proposed AID loan will help bring rural educational opportunities in line with urban opportunities by improving the quantity and quality of training at the primary and secondary levels and by building additional facilities, decentralizing administration and improving teacher training programs. Improvements in the organization and administration of the National University will continue. A new program of training through contract advisory services in social sciences at the Catholic University will be USAID-financed.

Expenditures:		Expected Expenditures for Project Completion:
FY 1968 - FY 1972	$1,473,000	- OPEN -
FY 1972	173,000	
FY 1973	526,000	
FY 1974 (Est.)	797,000	

Progress to Date:

Four regional centers have been completed and equipped; 200,000 primary school textbooks prepared from Paraguayan manuscripts; 14,000 RTAC textbooks distributed for secondary student; a central library established at National University; an academic plan has been prepared for establishing an Institute of Basic Sciences at San Lorenzo Campus.

Two direct-hire and three contract technicians are working on this project.

PERU
Project No. 527-11-690-067
Began: FY 1962
Proposed Terminal Date: FY 1975

MANPOWER AND EDUCATION
(AID - Teachers College Columbia University)

Project Objective and Description:

To assist major reform efforts in public education at all levels through technical advisory services and training programs for the Ministry of Education, the Peruvian Institute for Education Development (IPFE) and the National University Council. Focus of assistance will be on modifications of the Government's planned education reform, investment budgeting, and upgrading administration and teacher training, particularly in basic sciences.

Expenditures:		Expected Expenditures for Project Completion:
FY 1962 - FY 1972	$3,127,000	- OPEN -
FY 1972	219,000	
FY 1973	389,000	
FY 1974 (est.)	600,000	

Progress to Date:

A GOP Reform Commission was created in 1969 to define the Reform Plan and oversee its execution. TCCU's contribution to this was in laying the groundwork for the progressive basic reforms now being undertaken, including curriculum changes, reduced reliance on rote learning, increased emphasis on vocational training, increased supervision, and improved administration. University reform is being carried out by the National University Council. Measures in process are a global university budgeting and planning system; two-year basic required studies in all universities; some tuition for university education; increased authority for university heads and decreased student governing power. Because of the opportunities presented by this reform to contribute to educational change, A.I.D. is continuing this project, previously scheduled for FY 1969 termination.

VENEZUELA
Project No. 529-15-690-013
Began: FY 1961
Proposed Terminal Date: FY 1973

NATIONAL MANPOWER TRAINING AND HUMAN RESOURCES DEVELOPMENT
(AID-American Library Association, Ohio State University)

Project Objective and Description:

The purpose of this project is to provide advisory and training assistance to selected agencies in Venezuela in establishing and developing democratic institutions, and in planning and implementing education reforms.

Expenditures:		Expected Expenditures for Project Completion:
FY 1962 - FY 1972	$4,428,000	None
FY 1972	391,000	
FY 1973	347,000	

Progress to Date:

Because the program is responsive to Venezuelan initiatives, Venezuelan agencies are currently contributing 77% of the total costs of cooperating projects in human resources development planning and research. U.S. AID assistance has helped target agencies in improving their planning capabilities and in action programs for textbook and library development and in creation of youth opportunities through training in specials skills. In 1969-70 the Government of Venezuela spent over $3 million in textbook development compared to $44,000 in 1966. U.S. consultants assist in this ongoing project.

The Vocational Education Institute with AID assistance held workshops for 28 Venezuelans and 28 other country participants in guidance for vocational and science teaching. USAID consultants have assisted in the launching of the University of Carabobo's Regional Development Center, which initiated a regional development project in economic development and manpower-labor-market surveys, for three highly industrialized States (Carabobo, Lara and Aragua). USAID consultants also contributed to the formation of the post-graduate business school (IESA) and the new University of Simon Bolivar.

This project was phased-out during FY 1973.

LA/ROCAP
Project No. 596-11-660-012
Began: FY 1964
Proposed Terminal Date: FY 1974

DEVELOPMENT OF INSTITUTIONS OF HIGHER EDUCATION

(AID - Oklahoma State University, Univ. of North Carolina)
Univ. of Kansas, National Science Foundation, Univ. of
Puerto Rico)

Project Objective and Description:

The purpose of this project is to develop an integrated university system capable of producing professional and technicians in numbers sufficient to support dynamic socio-economic progress in Central America.

Expenditures:		Expected Expenditures for Project Completion:
FY 1964 - FY 1972	$3,366,000	None
FY 1972	637,000	
FY 1973	620,000	
FY 1974	320,000	

Progress to Date:

(a) ROCAP has assisted in: 1) the establishment of general studies programs at Central American universities through a PASA with the National Science Foundation covering basic sciences, and contract with the University of Kansas covering social studies; 2) the establishment of Regional Schools of Veterinary Medicine and Sanitary Engineering through contracts with Oklahoma State University and the University of North Carolina respectively; and 3) the development of an integrated education system of private universities through assistance to FUPAC. (b) In FY-70, ROCAP assisted CSUCA (through a contract with the University of Puerto Rico) to begin a new program of regional agricultural specialization. This program consists of voluntary regional specialization by the natural university faculties of agriculture, and the improvement of curricula and faculty in the specialized areas through participant training and technical assistance.

ROCAP
Project No. 596-13-770-024
Began: FY 1967
Proposed Terminal Date: FY 1973

BUSINESS ADMINISTRATION

Project Objective and Description:

The purpose of this project is to assist in the development of a graduate institute of Business Administration to enhance managerial competence and a progressive business ethic in support of the Common Market. This project is implemented through the Central American Institute of Business Administration (INCAE), a non-profit regional organization of private businessmen, with the contract assistance of the Harvard Business School (HBS).

Expenditures:		Expected Expenditures for Project Completion:
FY 1967 - FY 1972	$1,881,000	None
FY 1972	250,000	
FY 1973	50,000	

Through an earlier contract with AID/ROCAP, the Harvard Business School assisted INCAE for three years to offer a series of short courses and seminars attended by over 600 Central American business leaders, and to develop plans for a permanent Graduate Institute. The Permanent Institute has secured legal recognition by the Nicaraguan Government as a non-profit donation of land and a building loan from the Central American Bank for Economic Integration to build a permanent campus. In March 1969 INCAE moved into its permanent quarters. A network of INCAE chapters in each CA country has been organized by local business leaders to help publicize the school, raise funds and recruit students. An endowment fund has been established. Students graduated: MBA Program 52; Advanced Management program 269; short courses 593. A total of 141 requested admission to the School in 1969; 58 were enrolled from all CA and Panama countries; Colombia-3 Peru-1; U.S. -1

ROCAP has extended it's contract with Harvard during FY 1971 to provide faculty support. The project phases out in FY 1973.

ROCAP
Project No. 596-690-029
Began: FY 1971
Proposed Terminal Date: FY 1973

REGIONAL EDUCATION PLANNING AND RESEARCH
(AID-University of Kansas)

Project Objective and Description:

To assist Central American Ministries of Education, through OCEPLAN (ODECA Office of Education Planning) develop capabilities to evaluate and plan primary and secondary education systems on a regionally coordinated continuing basis. Technical assistance is to be provided through a contract with the University of Kansas.

Expenditures:		Expected Expenditures for Project Completion:
FY 1971 - FY 1972	$237,000	None
FY 1973	18,000	

Progress to Date:

OCEPLAN was established in late 1968 principally to prepare plans for, and implement, the Treaty on Basic Unification of Central American Education, which was signed by the six ministries. OCEPLAN is structured as a Secretariat of the Council of Central American Ministries of Education, with a professional staff of five. In August, 1969, a contract was signed with the University of Kansas to provide initial technical assistance to OCEPLAN under the Textbook Development Project, which has been terminated.

During 1970, OCEPLAN completed and released its study on the Situation and Tendencies of Central American Education. In addition, plans were developed for a pilot project to secure funds for education programs from the private sector, plans were prepared for the development of Regional Institution Materials Center, and numerous discussion papers were prepared in areas of special education, curriculum development, theories of educational administration, etc.

The project includes significant self-help measures in that the Ministries of the six countries direct and coordinate the project regionally and provide staff and budgetary inputs to carry out the tasks of OCEPLAN in their respective national ministries.

In 1971, through a one-year extension of the contract, the University of Kansas will provide a full-time U.S. Curriculum Development technician and twelve man-months of short-term consultant services to OCEPLAN.

The project was phased out at the end of FY 1973.

LA/REGIONAL
Project No. 598-11-690-453
Began: FY 1966
Proposed Terminal Date: FY 1977

LATIN AMERICAN SCHOLARSHIP PROGRAM OF AMERICAN UNIVERSITIES (LASPAU)

Project Objectives and Description:

The purpose of this project is to afford outstanding students and faculty members of Latin American Universities with the opportunity to broaden and upgrade their qualifications in the disciplines that are needed to improve and expand training programs essential to support a viable economy. The program is implemented through LASPAU Inc., a voluntary association of U.S. and Latin American colleges and universities. LASPAU scholars are chosen on the basis of having successfully completed a minimum of a bachelors degree, high scholastic standing, financial needs, competency and willingness to learn English, and dedication to pursue a teaching or research career at the university level. In general, scholars receive from 1-2½ years of training to complete a Master's or higher degree. Upon completion of their study programs, they return to their homelands and are assigned to full-time faculty positions on the staff of the sponsoring institution.

Expenditures:		Expected Expenditures for Project Completion:
FY 1966 - FY 1972	$9,115,000	$6,500,000
FY 1972	1,800,000	
FY 1973	2,100,000	
FY 1974 (Est.)	2,000.000	

Progress to Date:

Since 1966, approximately 1,250 LASPAU scholars, representing more than 150 Latin American universities, have attended in excess of 200 U.S. colleges and universities in 44 states.

There are currently 495 students from 19 countries enrolled in 158 U.S. universities in 44 states. Expenses of the program are divided among the U.S. universities, A.I.D., and the host countries.

The academic performance of LASPAU students has been notable. At the end of the first year of the program, fifty percent of the students were averaging honor grades; only four per cent had failing grades. Sixty-six percent of the LASPAU students are in science and technology courses. The others are divided between teacher training, education administration, agriculture and the social sciences. Approximately 475 students were graduated in September 1972; and, 160 by September 1973. Of this number, 105 earned B.A.'s, 510 M.A.'s and 20 Ph.D.'s

LA/REGIONAL
Project No. 598-11-995-005
Began: FY 1957
Proposed Terminal Date: FY 1975

REGIONAL TECHNICAL AIDS CENTER, MEXICO (RTAC)

Project Objective and Description:

The purposes of this project are: (1) to create a viable indigenous publishing industy in L.S.: (2) to distribute non-commercial and commercial books and pamphlets; (3) to provide L.A. universities with translations of U.S. textbooks and establish university textbook rental libraries. RTAC's publications are in areas of emphasis set forth at the summit meeting of the Presidents: agriculture, education, science and technology, engineering, and public health.

By 1975, it is expected that a healthy publishing industry will exist in Mexico and Argentina, and that several other countries of L.A. will have strengthened publishing capacities.

Expenditures:		Expected Expenditures for Project Completion:
FY 1967 - FY 1972	$11,790,000	$1,750,000
FY 1972	2,139,000	
FY 1973	1,800,000	
FY 1974 (Est.)	1,750,000	

Progress to Date:

More than 3,400 different titles have been published in the Spanish language by RTAC. Approximately 14,000 RTAC books have been distributed. None of these were available in Spanish before their publication by RTAC. More than 182,000 university textbooks are in production and will be distributed through rental libraries.

The RTAC film libraries in Mexico City and Buenos Aires offer 1,130 film titles (11,500 prints) in Spanish in such areas as agriculture, science teaching and public health.

RTAC also assists missions in the purchase of books in Spanish when they are not available on the local market. Latin American printers and publishers agree that RTAC is a source of much needed support.

Specific innovative projects initiated in FY 1973 include a weekly educational newspaper supplement for elementary students and a feasibility study of a set of programmed instruction materials on vocational agriculture.

Projected FY 1974 program outputs include 90 commercial book titles (248,000 copies): 150 non-commercial pamphlet titles (2,000,000 copies); and, 101 film titles (2,775 prints). Work will continue on the design and implementation of a project to develop a unified set of programmed instruction materials for both formal and non-formal teaching of vocational agriculture.

E. WORLDWIDE

	Project Title	Contract/Grant or Project Number
1.	Program of Studies in Non-Formal Education	AID/csd - 3279
2.	Evaluation of Educational Television Project - El Salvador	AID/csd - 2175
3.	Information Preparation and Dissemination - Educational Broadcasting	AID/csd - 2506
4.	Analytical Services Relating Communications Technology to Development	AID/csd - 2829
5.	Utilizing Technology in Education Programs for LDCs	AID/csd - 2945
6.	Inventory Classification of Activities in Educational Finance	AID/csd - 3322
7.	Application of Radio to Teaching Elementary Mathematics in a Developing Country	AID/CM/ta-C-73-40
8.	Program in Finance, Efficiency and Costs of Education	AID/CM/ta/G-73-17
9.	Strengthening Competence in Communication as Related to Education and Human Resource Development in LDCs	AID/ta-G-1053
10.	Non-Formal Education, Field Support	AID/CM/ta-C-73-22

WORLDWIDE
Contract # AID/csd - 3279
Began: FY 1971
Proposed Terminal Date: FY 1974

PROGRAM OF STUDIES IN NON-FORMAL EDUCATION
(AID - Michigan State University - csd/3279)

Project Objectives and Description:

The purpose of the program is to create an organized knowledge base in the field of non-formal education. It is hoped that this will contribute substantially to the LDCs in the development of policy and programs, in educational planning, in choosing among various human resource development strategies and in budget allocations. An equally important purpose is to provide options to donor agencies, and in particular AID.

Work is being done by a group of study team members and research associates in the following areas: (1) Historical Perspectives, (2) Categories and Strategies, (3) Country Comparisons, (4) Learning Effectiveness, (5) Economic Factors, (6) Case Study Survey, (7) Model Reasibility, (8) Administrative Alternatives, and (9) Participant Training.

It is expected that the program will produce a series of studies aimed at systematizing information and opening up alternative strategies for educating at various levels. While one purpose is to produce studies of high quality, a prime consideration will be their utility in policy-formation and action with respect to programs in non-formal education.

Cumulative Obligations: $450,000

Progress to Date:

Various field studies have been undertaken in Costa Rica, Kenya, Israel, Brazil, Ethiopia, Nigeria, and Jamaica. A series of studies have been submitted in draft form for review and critical comment. Draft material has been completed in the following areas: Economic Factors, Learning Effectiveness, Case Study Survey, Historical Perspectives, and Country Comparisons. It is expected that most, if not all, of the studies will be completed by the time the contract is terminated in March, 1974.

EL SALVADOR
Contract # AID/csd - 2175
Began: FY 1968
Proposed Terminal Date: FY 1974

EVALUATION OF EDUCATIONAL TELEVISION PROJECT - EL SALVADOR
AID - Academy for Educational Development, Inc.)

Project Objective and Description:

The purpose of this project is the conduct of a continuing evaluation of the El Salvador instructional television system with the principal objective of determining those facts most essential to educational policy and planning to AID and in developing countries, worldwide. The evaluation has been conducted to provide a series of empirical, analytic and case studies over a five year period on all aspects of the system. The evaluation has been conducted cooperatively by the Academy and the Institute for Communications Research, Stanford University.

Expenditures:		Expected Expenditures for Project Completion:
FY 1968 - FY 1972	$ 372,299	$ - 0 -
FY 1972	169,032	
FY 1973	137,033	
FY 1974 (est.)	23,982	

Progress to Date:

The final report of the project will be published in September 1973. During the course of the project, 12 research reports and 5 research memoranda have been published focusing on the administrative history of the system, student learning and attitudes, teacher attitudes and training, classroom instruction, feedback and evaluation, and cost effectiveness.

WORLDWIDE
Contract # AID/csd - 2506
Began: FY 1969
Proposed Terminal Date: FY 1974

Information Preparation and Dissemination - Educational Broadcasting

Project Objective and Description:

The basic purpose of this project is to provide U.S. advisors and key less-developed country planners and decision makers with general information on the currently most effective ways of using instructional broadcasting for major educational development purposes.

Expenditures:		Expected Expenditures for Project Completion:
FY 1969 - FY 1972	$ 250,433	$ 0
FY 1972	147,084	
FY 1973	90,844	
FY 1974 (est.)	32,496	

Progress to Date:

The Information Center on Instructional Technology has been established at the Academy for Educational Development, 1424 - 16th Street, N.W., Washington, D.C. 20036. The Center provides information on expert assistance to representatives of foreign countries, particularly members of the education community in developing countries and government agencies, about the uses and potentials of communications technology for educational development purposes both in school and out-of-school Services include consultation, library facilities, referral services, information exchange and seminars.

The Center also distributes products developed under this project, including a film entitled "Classroom Television: An Instrument for Educational Change," a handbook entitled Educational Technology and the Developing Countries, and periodic newsletters and bulletins.

WORLDWIDE
Contract # AID/csd - 2829
Began: FY 1970
Proposed Terminal Date: FY 1974

ANALYTICAL SERVICES RELATING COMMUNICATIONS TECHNOLOGY TO DEVELOPMENT

(AID - Academy for Educational Development, Inc.)

Project Objectives and Descriptions:

Pursuant to Section 220 of the Foreign Assistance Act of 1970 the purpose of this project is to deal with problems in three areas aimed at assisting the developing countries to use communications technology for education, agriculture, health and community development. The technologies encompassed are the electronic media, including radio, television, programmed teaching systems, computers and communications satellites. The three areas are the direction of scientific research and development and the use of educational technology, the assessment of educational effectiveness and cost implications of various alternative communication systems and the development of strategies for the application of electronic communications systems to areas such as agriculture, nutrition, population and community development.

Expenditures:		Expected Expenditures for Project Completion:
FY 1970 - FY 1972	$276,855	0
FY 1972	373,993	
FY 1973	251,365	
FY 1974 (est.)	35,991	

Progress to Date:

Seven major reports and two executive summaries will be published by September 30, 1973. The reports are:

Report
Number:

1. Research and Development Priorities in Instructional Technologies for the Less Developed Countries.

2. Research and Development Priorities in Instructional Technologies for the Less Developed Countries: A Summary.

3. Alternative Communications Systems for Education in the Less Developed Countries.

4. Broadcast Satellites for Educational Development: Possible Key Policy Decision Points, 1973-1978.

5. Broadcast Satellites for Educational Development: The Experiments in Brazil, Canada, India, and the United States.

6. Strategies for the Use of Mass Communications Media in the Technologically Developing Nations: Basic Education, Family Planning, and Nutrition.

7. Communication Strategies for Agricultural Development.

8. Communications Strategies for Development: A Summary.

9. Technical-Economic Considerations in Public Service Broadcast Communications for Developing Countries.

WORLDWIDE
Sec. 211 (d) Grant #AID/csd-2945
Began: May 1971
Proposed Terminal Date: FY 1976

UTILIZING TECHNOLOGY IN EDUCATION PROGRAMS FOR LDCs
(AID - Florida State University)

Project Objectives and Description:

The growth of multi-disciplinary work in the development of research and training in a systems approach to the application of educational technology is moving forward successfully and a broad base of competency has been developed. There is a need to obtain the resources to accelerate the development of the desired international dimension of the program.

The major purpose of this program is to strengthen research, teaching, consultation and service capabilities and to focus on the needs of LDCs in the subject area fields The resulting program will be able to contribute significantly to assessing, developing and applying the potential of educational technology as a possible cost-effective means for alleviating certain of the pressing educational problems of the LDCs.

Total Amount of Grant: $1,000,000

Expenditures:	Expected Expenditures for Project Completion:
FY 1972 - $219,556 FY 1973 - $320,000 FY 1974 (est.) - $210,000	$461,000

Progress to Date:

1. An Executive Advisory Council and an International Advisory Council were established, both functioning to quide definition and development
2. Eight new professional and four staff positions have been established.
3. A Technical Information and Materials Library, under the guidance of a full-time librarian has been established.
4. The design and acquisition of materials and equipment for establishment of a modular multimedia demonstration and training facility are completed

5. Interinstitutional linkages and liaison relationships have been established with AID missions, Ministers of Education, universities, etc., in Latin America, Asia, Europe, Africa and the Near East.

6. A variety of training programs have been designed and implemented for U.S. and foreign personnel, ranging from formal degree work to short-term workshops.

WORLDWIDE
Contract # AID/csd - 3322
Began: (July) FY 1972
Proposed Terminal Date: FY 1973

INVENTORY CLASSIFICATION OF ACTIVITIES IN EDUCATIONAL FINANCE
(AID - Harvard University)

Project Objectives and Description:

The basic target or purpose of the technical services to be performed is to provide LDCs with an informational resource; in this case, better organized information on research and other activities in the educational finance area. More specifically in undertaking this organization or "Inventory Classification", it is intended to: (1) survey and organize information on the particular strengths and weaknesses, advantages and disadvantages, and general characteristics of optional funding schemes available to, or being used by LDCs; (2) survey and organize information about the kinds of educational system efficiency problems of LDCs as these are related to educational finance and of the relevance and utility of the various analytical tools can be applied to such problems; (3) survey and organize information about education costs and expenditure patterns, and the sources of educational funds in the LDCs; (4) survey and organize existing studies on and information about other aspects of educational finance, such as procedures by which LDCs may adjust financial capabilities to social and other pressures for more education; and, (5) specify needed new research or other activities, and how, why and where such activities ought to be undertaken, by whom, at what cost, and with projected results.

Progress to Date:

A manual has been produced, with two sections. The first examines ways in which educational activities may be funded, other than by means of national budgets. The second section considers problems of efficiency of operation of educational programs.

The manual, in an English and Spanish version, is designed to: (1) permit easy reference; (2) provide non-technical exposition; and, (3) offer guidance that is cognizant of the real life situation in LDCs.

In addition to the manual, a selected and annotated bibliography on the financing of education has been provided. Both the manual and the bibliography will be distributed widely.

Two conferences, one in Cartagena, Colombia, in February 1973, and one in Malta in March, 1973, were held with LDC and third country education officials and experts to review the first draft of the manual.

COUNTRIES TO BE DETERMINED
Project No. AID/CM/ta-C-73-40
Began: FY 1973
Proposed Terminal Date: FY 1977

"Application of Radio to Teaching Elementary Mathematics in a Developing Country"
(AID - Stanford University)

Project Objectives and Description:

The purpose of this research and development project is to design, implement and evaluate, in collaboration with LDC personnel, a prototype system of teaching elementary mathematics, using radio and the techniques of programmed instruction. The system is to be designed to maximize cost effectiveness. The methods of instruction are expected to have appreciable generalizeability to other subject matters and, with minor adaptations, to a wide range of other countries.

The contractors will develop mathematics instructional materials for grades one through three consisting of carefully planned drill and problem solving exercises empirically based on highly detailed analysis of previous learner performance.

The analysis will consist of a detailed item analysis, student learning profile and, finally, a semantic and grammatical analysis of the instructional exposition There will also be a comprehensive economic evaluation of the costs involved in designing and implementing such a system.

Expenditures:		Expected Expenditures for Project Completion:
FY 1973 - 1974	$ 456,762	$ 1,280,326 (Total)

Progress to Date:

Contractor has just begun travel plans for visiting various countries as the first step in selecting a site for the project.

WORLDWIDE
Sec. 211 (d) Grant #AID/CM/ta/G-73-17
Began: FY 1973 (Mar.)
Proposed Terminal Date: FY 1978 (May)

PROGRAM IN FINANCE, EFFICIENCY AND COSTS OF EDUCATION
(AID - University of California at Berkeley)

Project Objectives and Description:

This grant will enable the planning and finance group of the School of Education of the University of California at Berkeley to strengthen its activities in a major educational development problem-area; namely, to assist LDCs to try new funding approaches and find ways to keep education costs at manageable levels. The members of this group have wide, recent and unique experience, including U.S. assignments as major finance consultants to New York and California, to the U.S. Commissioner of Education, and to the National Institute of Education. Members have served in all major geographical regions of the world. Many contacts have thus been made with U.S., third-country, LDC and international organizations, and these contacts, together with the experience developed, will be utilized in establishing a mutually-supportive worldwide network of scholars and institutions, to effect a concerted attack on all dimensions of the problem area.

Proposed Budget by Fiscal Years:		
	Current FY 73	$134,879
	FY 74	171,990
	FY 75	225,007
	FY 76	255,981
	FY 77	210,497
	TOTAL ESTIMATED COSTS	$998,354

Current Status:

The grant began in March 1973. Early activities have centered on strengthening capabilities in the following directions:

(1) Expanded research in the problem area in LDCs in both large and small countries of Asia, Africa, and Latin America, and for the dissemination of the results of such research.

(2) The development of new and the refinement of existing tools and procedures for a wide range of measurement and analytical needs, including such things as the forecasting of resource requirements for education, allocat-

ing resources more effectively among levels and types of education, reducing costs and wastage of resources, and calculating benefits of education.

(3) The training of Americans and citizens of LDCs who wish to specialize in the problem area for service with assistance agencies or with their governments, or to undertake research.

(4) The initiation of a network of collaborating scholars and institutions, especially those concerned with the problem area in the developing countries.

(5) The establishment of a world library resource in the problem area, and provisions for sharing this resource with LDCs.

(6) The provision of ad hoc, informal and short term consultant services to cooperating agencies working in LDCs, and to LDCs themselves.

WORLDWIDE
Grant #AID/ta-G-1053
Began: FY 1973
Proposed Terminal Date: FY 1978

STRENGTHENING COMPETENCE IN COMMUNICATION AS RELATED TO EDUCATION AND HUMAN RESOURCE DEVELOPMENT IN LESS DEVELOPED COUNTRIES

(AID - Stanford University)

Project Objectives and Description:

To strengthen Stanford University's competence in communication research, training, and technical assistance with respect to the education and human resources development needs of the less developed countries. The University will address such needs in the contexts of both formal educational systems and non-formal learning activities.

Stanford University will: (a) build upon the core of communication research competence enbodied in specialists with intimate developing country experience and second language capability; (b) expand the Institute for Communication Research's knowledge and skill in field evaluation, cross-national research and measurement; (c) involve other kinds of disciplines in a more comprehensive approach to the study of developing countries' communications by utilizing anthropologists, psychologists, economists, etc., in the Institute's activities; (d) initiate training programs for specialists from developing countries; (e) devise new cost-effective approaches to providing the population in developing countries with information, data and knowledge specific to their development needs, particularly for those populations bypassed by traditional educational programs; and, (f) give attention to the infusion of relevant research findings and innovative thinking into the planning of those who have the responsibility for decision making in LDCs.

Expenditures:	Expected Expenditures for Project Completion:
None to date	$1,000,000

WORLDWIDE
Contract # AID/CM/ta-C-73-22
Began: FY 1973
Proposed Terminal Date: OPEN

NON-FORMAL EDUCATION, FIELD SUPPORT
(AID - Michigan State University)

Project Objectives and Description:

TAB has taken as its first task the development of a knowledge base about non-formal education. For this program, it entered into a contract with Michigan State University in 1971. The first phase of the contract (AID csd 3279 - page 98) is being completed in FY 1973 and the results of these studies are being prepared for publication.

This contract is an extension of the above mentioned contract and will make available to Missions and LDCs the best U. S. expertise with regard to non-formal education. Its objectives are: (1) to develop an awareness of the role non-formal education might play in helping to cope with increasing social and developmental demands for education in the face of rapidly rising educational costs, (2) to develop a recognition of the part non-formal education might play in meeting national human resources priorities and goals, and, (3) to develop a body of knowledge in the U. S. and the LDCs that will facilitate the utilization of non-formal education in the context of an overall education plan and strategy.

During the first year of the new contract, MSU will conduct two seminars, workshops, or conferences at overseas locations. These will be regional, sub-regional, or country-based, depending upon Mission and Regional Bureau wishes. Consultants are available to: (a) participate in seminars, conferences, and workshops with personnel in Missions or LDCs; (b) assist host countries with sector reviews or surveys of non-formal education programs; (c) assist with the development of methods by which host countries might study, plan for, design and evaluate non-formal programs or conduct exploratory studies on promising approaches to non-formal education; and, (d) consult on specific non-formal programs, such as adult education, continuing education, pre-school education, technical job-related non-formal education.

Expenditures:	Expected Expenditures for Project Completion:	
None to date	FY 1973	$100,000
	FY 1974	$300,000

IV. INDEX OF CONTRACTORS

Contractor	Page (s)
Academy for Educational Development	61, 99, 101
African-American Institute	51, 52, 56
African-American Scholars Council	59
American Association of Colleges for Teacher Education (AACTE)	5
American Council on Education (ACE)	55
Association of African Universities	54
Atomic Energy Commission (AEC)	68
Bosporus University (Turkey)	34
California State Polytechnic College	10
Colorado State University (Research Foundation)	18
Education and World Affairs (EWA)	43
Education Development Center	57, 58
Florida State University	4, 103
Franklin Book Programs, Inc.	26, 30
Harvard University	105
Indiana University Foundation	24
Inter-American University Foundation	68
International Legal Center	78
Latin American Scholarship Program of American Universities (LASPAU)	94
Michigan State University	32, 98, 110
Mid-West Universities Consortium	2, 3

IV. INDEX OF CONTRACTORS (continued)

National Education Association (NEA) 28

National Science Foundation (NSF) 27, 91

North Carolina Agriculture and Technical University 46

Ohio State University 46, 66

Oklahoma State University 10, 91

Opportunities Industrialization Centers 50

Purdue University 66

Regional Technical Aids Center, Mexico, (RTAC) 95

Resources Development Corporation 8

San Diego State University 67

Southern Illinois University (Education Development Center) 23

Stanford University 106, 109

State University of New York at Buffalo 88

Teachers College, Columbia University 20, 89

University of Arizona 66

University of California at Berkeley 107

University of California at Los Angeles 41

University of Florida 14

University of Hawaii 7

University of Houston 68

University of Kansas 91, 93

University of Lagos (Nigeria) 42

University of Massachusetts 47

University of Michigan 62

IV. INDEX OF CONTRACTORS (continued)

University of Missouri 14
University of North Carolina 91
University of Puerto Rico 91
University of Wisconsin 66
University of Wyoming 22
U. S. Department of Labor 68
U. S. National Academy of Science 68, 71
Vanderbilt University 68
West Virginia University 46, 48
Wisconsin State University 14

V. INDEX BY SUBJECT AREAS OF EMPHASIS

	Subject Area	Page (s)
1.	Administration (Business)	92
	Administration (Education)	65,67
	Administration (Public - Government)	44
2.	Economic Development (General)	62
3.	Education Development (Community)	6
	Education Development (Elementary)	20, 74, 82, 93, 106
	Education Development (Finance)	105, 107
	Education Development (General)	4, 17, 32, 49, 56, 76, 77, 79, 80, 81, 83, 85, 86, 88, 89, 100
	Education Development (Rural)	8, 40
	Education Development (Science and Technology)	71, 72, 101, 103
	Education Development (Secondary)	7, 41, 47, 73, 82, 84, 93
	Education Development (Teacher Training)	5
4.	Educational Materials and Advisory Services	45
5.	Education Research Development	59
6.	Education Technical Support	16
7.	General Scholarship (Participant Programs)	13, 51, 52, 54, 70, 75, 94
8.	Higher Agricultural Education	2, 22, 28, 46, 40, 66
9.	Higher Education Development (General)	14, 18, 24, 25, 32, 33, 27, 38, 42, 68, 91

V. INDEX BY SUBJECT AREAS OF EMPHASIS (Continued)

10. Human Resources Development 90, 109

11. Instructional TV (Evaluation) 61, 99

12. Legal Education (Reform) 78

13. School Construction 87

14. Science Education Development 3, 27, 57, 58

15. Studies in Non-Formal Education 98, 110

16. Technical Education 23, 57

17. Textbook Publication (General) 30, 95

Textbook Publication (Primary and Secondary Level 26

18. Vocational Education 10, 12, 50, 90